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NEWS
                Web Page URLs for STN Seminar Schedule - N. America
NEWS
                "Ask CAS" for self-help around the clock
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NEWS 3 FEB 25
                CA/CAPLUS - Russian Agency for Patents and Trademarks
                 (ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28
                PATDPAFULL - New display fields provide for legal status
                data from INPADOC
NEWS 5 FEB 28
                BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22
                PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
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NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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NTRY SESSION 0.21 0.21

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STRUCTURE FILE UPDATES: 31 MAR 2005 HIGHEST RN 847735-80-2 DICTIONARY FILE UPDATES: 31 MAR 2005 HIGHEST RN 847735-80-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

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ring nodes :

chain bonds :

3-26 4-25 8-32 9-31 11-29 15-30 16-28 17-27

ring bonds :

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exact bonds :

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isolated ring systems :

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## Match level :

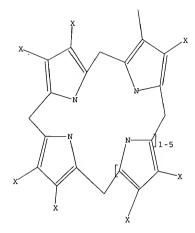
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## STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

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Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 15:22:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 187 TO ITERATE

100.0% PROCESSED 187 ITERATIONS

11 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2920 TO 4560 PROJECTED ANSWERS: 22 TO 418

L2 11 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 15:22:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3675 TO ITERATE

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SEARCH TIME: 00.00.01

L3 127 SEA SSS FUL L1

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ANSWER 1 OF \$ REGISTRY COPTRIGHT 2005 ACS on STN Entered STN: 04 Oct 2004 Entered STN: 04 Oct 2004 Entered STN: 04 Oct 2004 Entered STN: 05 Oct 20

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ANSWER 3 OF 5 REGISTRY COPYRIGHT 2005 ACS on STN 6892[1-7-4-5 REGISTRY COPYRIGHT 2005 ACS on STN 6892[1-7-4-5 REGISTRY OF REGI

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L5 ANSWER S OF S REGISTRY COPYRIGHT 2005 ACS on STN
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FILE COVERS 1907 - 1 Apr 2005 VOL 142 ISS 15 FILE LAST UPDATED: 31 Mar 2005 (20050331/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

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FILE 'REGISTRY' ENTERED AT 15:22:23 ON 01 APR 2005

L1 STRUCTURE UPLOADED

L2 11 S L1 L3 127 S L1 FULL

L4 122 S L3 AND CAPLUS/LC

L5 5 S L3 NOT L4

FILE 'CAPLUS' ENTERED AT 15:24:00 ON 01 APR 2005

=> s 14

L6 148 L4

=> d ibib abs histr 16 1-148 'HISTR' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

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ALL ----- BIB, AB, IND, RE

APPS ----- AI, PRAI

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CAN ------ List of CA abstract numbers without answer numbers

CBIB ----- AN, plus Compressed Bibliographic Data

DALL ----- ALL, delimited (end of each field identified)

DMAX ----- MAX, delimited for post-processing

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IND ----- Indexing data
IPC ----- International Patent Classifications
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PATS ----- PI, SO
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SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
             SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, IPC, and NCL
IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
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SIBIB ----- IBIB, no citations
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HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
             containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
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HITSEQ ----- HIT RN, its text modification, its CA index name, its
             structure diagram, plus NTE and SEQ fields
FHITSTR ---- First HIT RN, its text modification, its CA index name, and
             its structure diagram
FHITSEQ ---- First HIT RN, its text modification, its CA index name, its
             structure diagram, plus NTE and SEQ fields
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L6 ANSWER 1 OF 148 CAPUS COPYRIGHT 2005 ACS on STN
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777096-95-4 CAPLUS 21H, 23H-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20,22,24-hexahydro-(9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT: THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L6 ANSWER 1 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

777097-11-7 CAPLUS
Fluoride, compd. with 2,3,7,8,12,13,17,18-octachloro-5,10,15,20,22,24-hexabydro-21H,23H-porphine (1:1) [9CI] (CA INDEX NAME)

777097-12-8 CAPLUS Fluoride, compd. with 2,3,7,8,12,13,17,18-octabrono-5,10,15,20,22,24-hexahydro-2HH,23H-porphine (1:1) (9CI) (CA INDEX NAME)

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Gruen-raviovic, majar Grubisic, Sonja; Niketic, Svetotar R. Belgrade, YU-11001, Journal of Inorganic Blochemistry (2004), 98(8), 1293-1302 CODEN: JIBIDJ, ISSN: 0162-0134 Elsevier

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[10.13 3.54 - Porphia, 2.3, 7.8, 12, 13, 17, 18 - octabromo-5, 10, 15, 20 - tetraphenyl-(OCI) (CA INDEX NAME)

THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT REFERENCE COUNT:

1.6 ANSVER 3 OF 148 CAPILIS COPYRIGHT 2005 ACS ON STN ACCRSSION NUMBER: 2004:501425 CAPILIS DOCUMENT NUMBER: 1204:501425 CAPILIS TITLE: 12227404

AUTHOR (S):

142232167 Tea. MOD Physical Chemical Properties of tetraphenylpophyria, its octambetiuments, and compleme with metals in the ground and section disease. As 5, 74 Mayor, G. V.; Shatumov, P. A.; Sensekin, A. S. V., Edgester, Shatumov, P. A.; Sensekin, A. S. T. Mayor, G. V.; Shatumov, P. A.; Sensekin, A. S. T. Mayor, G. V.; A. Edgester, Shatumov, P. A.; Sensekin, A. S. T. Mayor, G. V.; A. Edgester, Shatumov, P. A. Sensekin, A. S. T. Mayor, G. V.; A. Sensekin, A. S. T. Mayor, G. V.; A. Sensekin, A. S. T. Mayor, C. V. Mayor, C. M. S. T. Mayor, C. V. CORPORATE SOURCE: COURCE.

149-155 CODEN: AOCOEK: ISSN: 1024-8560 Institute of Atmospheric Optic:

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and [PtTPP] [E]/2 = 0.97 V). The porphyrin-centered reduction of [PtP20TPP] occurs at -0.75 and -1.18 V, which is anodically shifted from those at -1.06 and -1.55 V in [PtP20TPP] and -1.15 V in [PtP20TPP] presp. The excited-state reduction potential of [PtP20TPP] is -1.97 V vs. As/ApxCO.

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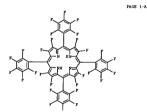
completed by three x-ray structures of (#-CLTPF)71(C1), (#-CLTPF)11(C1) and flypTPF)71(C1). Complete (#-CLTPF)71(C1) and flypTPF)71(C1). Complete (#-CLTPF)71(C1) and flypTPF)71(C1). Complete (#-CLTPF)71(C1) and flypTPF)71(C1). Complete (#-CLTPF)71(C1) and flypTPF)71(C1) and flypTPF)71(C1). The cltric desired (#-CLTPF)71(C1) and flypTPF)71(C1). The prophyrin core is saddle distorted computation factor free to vary. The prophyrin core is saddle distorted distorted (#-CLTPF)71(C1), the dishedral applies between the pental fluorepharyl cings and CDUM are very close to the ideal value of 90.

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21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl(SCI) (CA INDEX MAMES)

REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER S OF 148 CAPLUS COPYRIGHT 2005 ACS on STN



PAGE 2-A

REFERENCE COUNT: THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 148 CAPUS COPYRIGHT 2006 ACS on STM
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2H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5-(2-bromo-3, 5-dimethoxyphenyl)-10, 15, 20-tris(2, 6-dibrono-3, 5-dimethoxyphenyl)-(9C1) (CA INDEX NAME)

ANSWER 6 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
775318-89-3 CAPLUS
21H, 23H-Porthane, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(2,6-dibromo-3,5-dimethosyphenyl)- (GCA INNEX NAME)

REFERENCE COUNT:

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ANSWER 6 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

(Cont. mad)

775318-94-0 CAPLUS 7/53/8-34-0 CAPLUS
21H. 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5-(2,4-dibromo-3,5-dimethoxyphenyl)-10,15,20-tris(2,6-dibromo-3,5-dimethoxyphenyl)- (9CI)
(CA INDEX NAME)

775218-89-39 775318-69-39
REL CTS (Chemical process); PEP (Physical, engineering or chemical process); PEP (Properties); RCT (Reactant); SPN (Synthetic preparation); PEPE (Preparation); PEC (Process); RAT (Reactant or reagent) (preparation, cyclic voltammetry and reactant for preparation of nickel

and zinc c highly brominated porphyrin complexes)

L6 AMSWER 7 OF 148 CAPUS COPYRIGHT 2005 ACS on STM
ACCESSION NAMERS:
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REFERENCE COUNT:

THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSVER 8 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2004:354172 CAPLUS
DOCUMENT NUMBER: 141:106158
141:106158

141:106158
Theoretical AMI study of mcidity of porphyrins, staporphyrins and porphyrazines Stunhin, Pavel A. Department of Organic Chemistry, Ivanovo State University of Chemical Technology, Ivanovo, 15460, AUTHOR(S): CORPORATE SOURCE:

Russia
Journal of Porphyrins and Phthalocyanines (2003), 7(11
CODB: 197872, ISSN: 1086-4246
Society of Porphyrins & Phthalocyanines
Journal SOURCE:

PUBLISHER: DOCUMENT TYPE:

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Journal

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Journal

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discussed. 717911-35-8

737911-35-6
KH (FRP (Properties)
(disation formation enthalpy) theor. AMI structure-acidity study of
(disation formation) and porphyralines)
737911-35-6
737911-35-6
CAUSE
21H.2387-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenylion(2) (2C1) (CA INDEX RAME)

131214-86-3 RL: PRP (Properties)

(formation enthalpy and deprotonation enthalpy; theor. AM1 structure-acidity study of porphyrins, azaporphyrins and porphyrazines)

ACCOSSION NUMBER:

ACCOSSION NUMBER:

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101.13740 CAUGO

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PAGE 1-A

ANSWER 8 0F 148 CAPLUS COPYRIGHT 2005 ACS on STM (Continued) 131214-86-3 CAPLUS 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-(SCI) (CA INDEX MANE)

NTP31-28-6
RI FRW (Properties)
(monoaxio, formation enthalpy; theor. AM1 structure-acidity study of ppuppytis. emporphytian and porphytalines)
21M. 23M-Forphine. 2, 3, 7, 4, 12, 13, 17, 18-outhbrono-5, 10, 15, 20-tetraphenyl-ion(1-) (ed.) (CS indox Annal)

REFERENCE COUNT:

THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 9 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

(Continued) PAGE 1-B

770715-01-0 CAPLUS
21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15-triphenyl-20-[3-{2-{2-(3-(10,15,20-triphenyl-21H, 23H-porphin-5-yl) phenoxy]ethoxy]ethoxy]pheny
1]- (9CI) (CA INDEX NOME)

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PAGE 1-A

ANSWER 9 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

770714-94-8 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octahromo-5-[3-[2-[2-bromoethoxy]ethoxy]phenyl]-10,15,20-triphenyl- (9CI) (CA INOEX NAME)

35

REFERENCE COUNT:

THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

PAGE 1-B

213414-00-77 PTD[442-77 PTP]14-24-59
Mi NGT (Meastant) 57W (Synthetic preparation); FRDF (Preparation); RACT (Reaction or reagont) (Reaction or reagont) (rypthesis, electroches, redox, and fluorescence properties of covalently linked hisporphyrina and their metal complemes bearing 21341-00-7 (Adultina and pretmomptohybrid) (21341-00-7 (Adultina and pretmomptohybrid) (21341-00-7 (Adultina and pretmomptohybrid))

213414-05-7 captis 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabrono-5-(4-(2-hromoethoxy)phenyl]-10,15,20-triphenyl- (9CI) (CA INDEX NAME)

770714-93-7 CAPLUS
21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5-[3-(2-bromoethoxy)phenyl]-10,15,20-triphenyl- (9CI) (CA INDEX NAME)

L6 AMSWER 10 07 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION HOMERS:
2003/781479 CAPLUS
2003/781479 CAPLUS
2017/81479 CAPLUS
2017/81479

Proceedings Indian Academy of Sciences, Chemical Proceedings Indian Academy of Sciences, Chemical COONS, PIADMS ISBN. 0233-1118.

COONS, PIADMS ISBN. 0233-1118.

A A Series of popplyrias with tolyl and maphthyl substituents at the meso many of the proceedings of the process of popplyrias proceedings. (2019) with a substituents at the meso many of the process of the process of popplyrias but octahence devises. (2019) with a substituents at the meso process of the prophyria block the approach of aromatic solvents note. The process of the prophyria block the approach of aromatic solvents note.

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640730-26-3 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetra-1-naphthalenyl- (9CI) (CA INDEX NAME)

640730-27-4 CAPLUS 21M,23M-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetra-2-naphthalenyi (SCI) (CA INDEX NAME)

ANSWER 10 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

27

REFERENCE COUNT.

THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

640730-28-5 CAPLUS
21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(2-methylphenyl) - (SCI) (CA INDEX NAME)

640730-29-6 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(3-methylphenyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 11 OF 140 CAPLUS COPYNIGHT 2005 ACS on STN
20031762528 CAPLUS
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20031762528 CAPLUS
2003176308 ACS was Memo-apyl substituted
20140808 CAPLUS ACS WAS ACC WA

PUBLISHER: DOCUMENT TYPE: Journal English

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features. The data are interpreted in terms of electron withdrawing
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and fluorescence spectra of meso-tetraaryl substituted
octabromoporphyrin)
12423-59-4 (AZPUS
21H.282F-brphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetrakis(4mathylphynyl) (SCI) (CA INDEX MAME)

(Continued)

640730-26-3 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetra-1-aphthalenyl- (SCI) (CA INDEX NAME)

640730-27-4 CAPLUS 21H,23H-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetra-2-naphthalenyl- (9CI) (CA INDEX NAME)

ANSWER 11 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

640730-28-5 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(2-methylphemyl)- (9C1) (CA INDEX NAME)

640730-29-6 CAPLUS
21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetrakis (3-methylphenyl) - (9CI) (CA INDEX NAME)

L6 MOWER 12 OF 146 CAPUIG COPPINGET 2005 ACS ON STN
2003-623200 CAPUIS



REFERENCE COUNT:

THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2003:563277 CAPLUS DOCUMENT NUMBER: 139:239081

DOCUMENT NUMBER: 199:239011

Synthesis and Structural Characterization of Porphyriain Emediyaes; Geometric and Electronic Porphyriain Emediyaes; Geometric and Electronic Chandra, Filsk Kraft, Erasa vi, Huffman, John C., Ealeski, Jeffrey M. Department of Chamastry and Molecular Structure Department of Chamastry and Molecular Structure (705-7102, USA 1990-1991), John London C., H., Inorganac Chemistry (2003), 2502-1669

COMDET INCLA) ISSN 0020-1669

Journal Chamastry (2003), 4203-1699 AUTHOR(S):

CORPORATE SOURCE:

SOURCE:

PUBLISHER: DOCUMENT TYPE:

LANGUAGE: OTHER SOURCE(S):

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esium and transition metal complexes)
131214-86-3 CAPLUS
21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetraphenyl(SCI) (CA INDEX NAME)

LS ANSWER 14 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION MARKER:
DOUBLEN ANSWER:
DIRECT ANSWER:
DIRECT ASSESSMENT A

PATENT NO. KIND DATE APPLICATION NO. DATE

PATENT NO. EXIND DATE APPLICATION NO. DATE

2 200315784 A2 2003050 JP 2001-357662 20011122

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ANSWER 13 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 100 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT 100

L6 ANSWER 14 OF 148 CAPILIS CORVERGHT 2005 ACC OR STM. (Cont s nued)

PAGE 2-A

L6 ANSWER 15 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN ACCESSION NUMBER: 2003:385522 CAPLUS DOCUMENT NUMBER: 139:100832

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ACCESSION NAMERIS. 2001-185322 CO-PUR
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STUBBE 159:100332

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IT 311804-88-3 560094-16-8 560094-21-5

ANSWER 15 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



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CRN 12569-48-1 CMF C18 H36 K N2 O6 . C1 CCI CCS



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560094-21-5 CAPLUS
1-Butanannium, N,N,N-tributyl-, bronide, compd. with 2,3,7,8,12,13,17,18octafluoro-5,10,15,20,22,24-hexahydro-5,5,10,10,15,15,20,20-octamethyl21H,23M-porphine (1:1) (SCI) (CA INDEX NAME)

CH 1

CFN 311804-81-6 CMF C28 H28 F8 N4

ANSWER IS OF 148 CAPLUS COPYRIGHT 2005 ACS on STM (Continued)
RL: PMV (Portation, unclassified) FEF (Physical, sopjesting or chemical
process): PMV (Properties) FV) (Physical process): FOW (Portation,
(single side strapping approach to fine tuning amon recognition
properties of calizi(approach)
111804-81-3 CAPLUS
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CRN 311804-81-6 CMF C28 H28 F8 N4

CH 2

CH 1

CRN 311804-81-6 CMF C28 H28 F8 N4

L6 ANSWER 15 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT REFERENCE COUNT:

L6 ANSWER 16 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2003:290712 CAPLUS COCUMENT NUMBER: 13946848

TITLE:

AUTHOR/S).

CORPORATE SOURCE:

1914-544 Bublituent effects of \$\theta\$-halogens in water-robule porphyrina function in Holon, Andrew P.; Olinian, Stephen G. Olinian, Harrani Nelson, Andrew P.; Olinian, Stephen G. Olinian, University of Nebraka, Lincoln HE. USA. Lincoln HE. USA. Lincoln HE. USA. Stephen G. Olinian, USA. Stephe SOURCE.

PUBLISHER

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

144811-83-6 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabrono- (9CI) (CA INDEX NAME)

ANSWER 16 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

541528-57-8 CAPLUS
Benzenseulfonc acid, 4,4',4'',-{'',-{2,3,7,8,12,13,17,18-octafluoro-21H,23H-porphise-5,10,15,20-tetray|} tetrakis[3,5-difluoro-, tetrasodium salt (9C1) (CA INDEX NAME)

ANSWER 16 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

541528-61-4 CAPLUS 21M, 23M-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetrakis (2, 6-difluorophenyl) - (CA INDEX NAME)

S41528-56-7F 541528-37-49
RLL PRF (Properties), RCT (Reschart), SPN (Synthetic preparation); PREP
(preparation and complement of research
(preparation and complement of research
(preparation and complement on the result in and activity)
511528-56-7 CAPUS
Bearnessed from and (4\*4\*",\*\*",\*\*",\*\*",2,7,7,8,12,13,17,18-octafiuoro2110,2819-porphins-5,10,15,20-terrayl)tetrakis-, tetrasodium salt (9C1)
(CA HOMON NAME)

16 ANSWER 16 OF 148 CAPILIS COPYRIGHT 2005 ACS OR STN (Continued)

PAGE 2-A



IT 541528-60-3P 

18685-2-9-9, 2, 3, 7, 8, 12, 13, 17, 18-Octafluoro-5, 10, 15, 20-terphespin-complytin
Nii FR (Frepetites) ET (Seatont): RET (Seatont) respectively (resectant for preparation of tetratisfied) indiacophesyl) cotafluoropophyrin and energy of gas phase acidities from semiempirical AMI calons.)
18685-23-9 (ZMID)

186885-28-9 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetraphenyl-(9Cl) (CA INDEX NAME)



REFERENCE COUNT:

22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 17 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 21H,23H-Forphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-(SC1) (CA INDEX NAME)



59

REFERENCE COUNT:

THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 17 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN SSSION NUMBER: 2003:243699 CAPLUS ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

AUTHOR (S):

CORPORATE SOURCE:

PUBLI SHER:

DOCUMENT TYPE: LANGUAGE:

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porphyrin donor-acceptor pair 15 discussed. 552887-02-2

55287-02-2

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131214-85-3, 218,23H-Porphise, 2,3,7,8,12,13,17,18-octabromo, 5,10,18,02-fetraphenyl 5,10,18,02-fetraphenyl 6,10,18,02-fetraphenyl 6,10,1

L6 ANSWER 18 OF 148 CAPAINS COPYRIGHT 2005 ACS on STN
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COURCE: Control of Fromes, Page 130, Norway (Control of Fromes, Page 130), 120-1616

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We have carried out a frome description character. The majority of the financial control of Fromes, Page 130, 120-1616

We have carried out a frome survey of testemphonyloophyrin derive, in relation to their possible hyperprophyrin character. The majority of the Where Y. = Call, H. P. (CT), and MO2, when discoved in intril forecastic acid (i.e. when centrally disportantly), established the property of the character control of the control of the

ANSWER 18 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN



131214-86-3 CAPLUS 21M,23H-Porphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-(SCI) (CA IMBEX NAME)



25

REFERENCE COUNT:

THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 19 OF 148 CAPLUS COPYRIGHT 2DD5 ACS on STN (Continued)

110



REFERENCE COUNT:

THERE ARE 110 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L6 ANSVER 19 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2003.167716 CAPLUS
138:347956
138:347956

AUTHOR (S):

CORPORATE SOURCE:

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PUBLI SHER:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): AB Previous at

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used to examine the relation between the anyl-perspectations between of the state of the substitute N is now a novel 1,3,5,7,8,10,12,13,15,17,18,20,-5,5,10,15,20,11,15,15,17,18,20,-5,5,10,15,20,11,15,15,11,15,15,11,1

that the effect of protocoxion in the Publish is On Lourage AGO, Bildey, 1077, which is the opposite of the effect same for the IAPPs, and MC calcums, slaw predict a strikingly high barrier for the IAPPs, and MC calcums, slaw predict a strikingly high barrier for the Agripophyprin contained barriers in the Morrier appear that the deformability of the macrocycle along a nomplanar distortion mode which allies and the property of the complexity of the complexity of the 1314-48-7.

131214-66-3
RI: RCT (Reactant): RACT (Reactant or reagent)
(Sutuki coupling reaction with phenylboronic acids)
131214-66-3 CAPLUS
21M.28M-Porphine, 2. 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 2D-tetraphenyl(GCT) (CA INDEX MANE)

L6 ANSWER 2D OF 148 CAPLUS COPTRIGHT 2DDS ACS on STN
2003-164EDV CAPLUS
THILE: STORM MOMER:
1319-144519
THILE: Storm Answer: A proton-donating solvent on complexation of classical and conclessical porphyrins in a pyricine

medium Berezin, D. B., Toldina, O. V.

AUTHOR(S): CORPORATE SOURCE: SOURCE:

Russia 2hurnal Neorganicheskoi Khimii (2DD2), 47(12), 2D75-2081

CODEN: ZNOKAQ: ISSN: 0044-457X MAIK Nauka/Interperiodica Publishing

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MAN The inhabiting effect of proton-donating additives (DAn) on the rate of
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replacement of the increase of basicity of the tertiary nitrogen atoms in 13214-66-3.

Ri: NCT (Reactant); RACT (Reactant or reagent) (effect of a proton-domating solvent on complexation of classical and nonclassical porphyrins in a pyridine medium) 13214-66-3. CAPUS

21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 1D, 15, 2D-tetraphenyl-(SCI) (CA INDEX NAME)



L6 ANSWER 21 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:09002 CAPLUS
DOCUMENT NUMBER: 18:401522
FIFTLE: Perfluerinated meso-aryl-substituted expanded

AUTHOR (S) -

Ferfluciated meso-aryl-substituted appanded prophyrian; Shin, Ji-Young, Piruta, Hiroyuka Imael, Rami, Osuka, Atsubhio Beptiment of Chemistry Graduate School of Science, Acquisited City, Nyote, 566-8502, Japan Marchael City, Nyote, 566-8502, Japan School of Science, Acquisited City, Nyote, 566-8502, Japan Science, Acquisited City, Nyote, 566-8502, Japan Science, Acquisited City, Nyote, 566-8502, Japan Science, Company of Compa CORPORATE SOURCE: COURCE.

PUBLI SHER:

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

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PAGE 2-A

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L6 ANSWER 21 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

121399-88-0 CAPLUS
21H.23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrakis (pentafluoropheny))- (9CI) (CA INDEX NAME)

PAGE 1-A

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PAGE 2-A

REFERENCE COUNTY

THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 22 OF 148 CAPLUS COPYRIGHT 2005 ACS on SIN (Continued)

503270-97-1 CAPLUS
Pyradhalum, 4,4',4''-(2,3,7,8,12,13,17,18-octabromo-21H,23H-porphineNAMES, 20-tetrayl)tetrakis[1-metby1-, mono(inner salt) (9CI) (CA INDEX NAMES, 2001)

PAGE 1-A

PAGE 2-A

REFERENCE COUNT:

THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 2002:900049 CAPLUS DOCUMENT NUMBER: 2002:900049 CAPLUS

TITLE:

CAPLIS CA AUTHOR (S): CORPORATE SOURCE:

SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE:

UCOMMENT TYPE: Journal
LANGHAGE: Rolling
Offers SOURCE(S): CASEARCT 131:104092
AB The photoexide. of various olefans in homogeneous solution under an oxygen
atmospheric, by use of visible light, a dys sensitizer, and an
oxygen-transfer

stmomberic, by use of wishble light, a dy's sensitizer, and an interest process of the control o

107035-85-0
RM. RDT (Respect); RACT (Reactint or reagent)
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[boboticitized olefin sponids, with no.1, oxygen sensitized by free
[07035-85-0] CAUMIN of promoter by Interactional Stallydelenum)
2314;287-6rphine, 2, 3, 7, 8, 12, 13, 17, 18 octubrono-5, 10, 15, 20-tetrakis (2, 6dichloropheny) (GCI) (CA INDEX MAME)

L6 ANSWER 24 OF 140
ACCESSION NAMESH:
2002:009700 CAPJUS
2002:009700 C

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ANSWER 23 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

REFERENCE COUNT:

34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 24 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

**CH** 3 CRN 75-09-2 CMF C H2 C12

C1-CH2-C1

\*\*PEST-11-0 47867-11-0 4. REF [Procedition] [Fig. 128] [Fig. 12

CH 1

CRN 186885-28-9 CMF C44 H22 F8 N4

479637-15-5 CAPLUS
21H. 23M-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octafluoro-5, 10, I5, 20-tetrakis (pentafluorophenyl)-, diperchlorate (9C1) (CA INDEX NAME)

CH I

CRN 121399-88-0 CMP C44 H2 F28 N4

PAGE 1-A

PAGE 2-A

CRN 7601-90-3

REFERENCE COUNT.

THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 25 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) Chloride, compd. with 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20,22,24-bexahydro-5,5,10,10,15,15,20,20-octamethy1-21H,23H-porphine (1:1) (SCI) (CA INDEX NAME)



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REFERENCE COUNT:

THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LG ANSWER 25 OF 148 CAPLUS COPYRIGHT 2005 ACS ON SIN ACCESSION NUMBER: 2002:751572 CAPLUS 137:389723 TITLE: 137:389723

AUTHOR(S):

CORPORATE SOURCE:

2002;73:172 CAPUS
2002;73:173:72 CAPUS
Theoretical Study of Anion Binding to Calis(d)pyrole:
the Effects of Solvent, Fluorine Substitution,
Cosolute, and Water Traces
Blas, J., Amanon Marquer, Hannell Sessler, Jonathan L.,
Blas, J., Amanon Marquer, Hannell Sessler, Jonathan L.,
Department de Broquisica et Bloofis Modecular,
Facultat de Quinica, Universitat de Barcelona,
Barcelona, 60024, Spain Chemical Society (2002),
124(41), 12796-12805
CORDEN JACAST, 158N: 0002-7863
American Chemical Society
Martina Chemical Society
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124(43), 12796-12795

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Since-sis-MAN PSP (Physical, segimeering or Chemical process): PSP (Properties): FTP MAN PSP (Physical), segimeering or Chemical process): FTP (Properties): FTP (effects of Solvants and fluorine substitution on anion binding to cellist(pyrrois) from not. Ayananca and theracon, integration; cellist(pyrrois): FTP (Properties): FTP (Pro

IT 475644-56-5 RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation,

Ri. PMU (Formation, unclassified). FRP (Properties). FORM (Formation compreparative) (optimized mol. structure of chloride-ordinivocolix(4)pyrrole, fluoride-calix(4)pyrrole, phosphate-calix(4)pyrrol, and fluoride-tetrabutylammonium trihydrate complexes) 475644-56-5 CAPLUS

LS ANSWER 56 OF 148 COPINE COPYRIGHT 2005 ACS on STW
ACCESSION MANNERS,
3002/10314 CAPILS
1304/240314 CAPILS

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L6 ANSWER 26 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 27 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

L6 ANSWER 27 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
2002172894 CAPLUS
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(f)
Koyanagi, Kenjis Tabata, Massaki
Depattement of Chemistry, Faculty of Science and
Engineering, Sage University, 1-Hongio-machi, Saga-shi,
Rojineering, Sage University, 1-Hongio-machi, Saga-shi,
Nanaski Kasaku (2002), 51(9), 803-807
COMEN INSERVAL (2002), 51(9), 803-807
Nippon Bunseki Kayakkai
Journal AUTHOR (S): CORPORATE SOURCE:

SOURCE:

PUBLISHER:

COODS: RNSKAU 158H: 0525-1931

Napson Dunsel Kapakies

Appases

October 1792: Japases

RISSYN (Synthetic preparation); PREP (Preparation) (synthesis of F28 tetraphenylporphyrin and separation and detection of lithium) 121399-88-0 CAPLUS

121399-88-0 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrakis (pentafluorophenyl) - (9CI) (CA INDEX NAME)

L6 ANSWER 28 OF 148 CMPLUS COPYNIGHT 2005 ACS on STN
2002;461275 CAPILO STR
TITLE: DOI: 10.02.1641275 CAPILO STR
2002;641275 CAPILO STR
TITLE: DOI: 10.02.1641275 CAPILO STR
TITLE: DOI: 10.02.1641275 CAPILO STR
TITLE: DOI: 10.02.1641275 CAPILO STR
AMTHOR(S): 10.02.1641275 CAPILO STR

SOURCE Tetrahadron (2002), 18(23), 6113-6722

COURT STETRAM 1581: 00-0-200

PUBLISHER.

DOCUMENT TYPE:

DOCUME



REFERENCE COUNT: THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L6 ANSWER 29 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2002:638268 CAPLUS COCUMENT NUMBER: 17:185360
                                                                                                                                                                          137:185360
Preparation, binding properties, and uses of halogenated calixpyrroles, calixpyridinopyrroles and calixpyridines sessler, Jonathan L., Harquez, Hanuel, Anzenbacher, Pavel; Shriver, James A. USA
       TITLE
       INVENTOR (S):
       PATENT ASSIGNER(S):
                                                                                                                                                                            USA.
U.S. Pat. Appl. Publ., 104 pp., Cont.-in-part of U.S.
Ser. No. 838,998.
CODEN: USXXCO
       DOCUMENT TYPE:
                                                                                                                                                                          Patent
English
       LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                                    PATENT NO.
                                                                                                                                                                            KIND
                                                                                                                                                                                                                   DATE
                                                                                                                                                                                                                                                                                                       APPLICATION NO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               DATE
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20010420
20020826
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CA 1997-2391030
US 1997-833379
US 2001-838998
WO 2002-US27252
                                       US 2002115566
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B1
A1
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                                       CA 2391030
                                       US 0202237
                                       WO 2003018548
WO 2003018548
                                                                                                                                     A2 20030306 W0 2002-0927222 20020286 A3 A3 A1005045 A1005045 A3 A1005045 A1
W0 2003018548
W: AE. AG,
CO. CA,
CO. CA,
CO. LS, LT,
PL. PT,
UA, UG,
RW: GH, GH,
KG, KZ,
FI, FR,
CO, CI,
PRIORITY APPLN. INFO.
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MARPAT 137:185360

ANSWER 29 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



OTHER SOURCE(S):

ANSWER 29 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

Malogenated calispyrrole, calispyratinopyrole, and calispyridise nacrooyles, such as octabrono-meso-octamethylcalis(s)pyrrole (1) and calispyridiscyrole (1), basic of 2.5 pyrrole rings with greater stability calispyridiscyrole (1), basic of 2.5 pyrrole rings with greater stability remediation. Thus, I was prepared in 901 yaid by bromination of the corresponding sew-octamethylcalis(s)pyrole usings H-dromovorchimatic in selectivities as compared to their nombalogenated companers as judged from 1808, 1978 Monda off Unorsenoic emission approximacy compared from 1808, 1978 Monda off Unorsenoic emission approximacy compared from 1808, 1978 Monda (Fluorescow) FFF (Physical) process) FFF (Physical) process) FFF (Physical) process) FFF (Physical) From 1809, 1978 (Physical) FFF (Physical) From 1809, 1978 (Physical) FFF (Physical)

190517-33-09

Mr. RUU (Other use, unclassified); FEP (Physical, engineering or chamical like RUU) (other use, unclassified); FEP (Physical, engineering or chamical Rut RUU) (other use, unclassified); Rut (Therapeutic use); Biol. (Riological study); FEP (Preparation); FMC (Therapeutic use); Biol. (Riological study); FEP (Preparation); FMC (Therapeutic use); Biol. (Riological study); FMC (Therapeutic use); Rut (Preparation); Rut

L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 2002: 626618 CAPLUS COPYRIGHT 2005 ACS ON STN 139:197287 TITLE:

ACCESSION NUMBERS:

2002.026636 CAMUS:
TITLE:

ACTION(3):
COORDINATE SOURCE:
Devision of Coordinate Coordinate

131214-96-3 CAPLUS

21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetraphenyl-(9CI) (CA INDEX NAME)



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L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
                                                                                                                                                                                                                                                                                                                                         L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
                   AMSWER 30 OF 14E CAPUE COPYRIGHT 2009 ACS on STM (Continued)
48553-47-18-18-2535-48-72-48535-48-19-48555-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-48-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-48535-78-72-485
     ΙT
                                                                                                                                                                                                                                                                                                                                                                    2
                    OH 1
                                                                                                                                                                                                                                                                                                                                                         CRN 110-86-1
CHF C5 H5 N
                    CRN 131214-86-3
CHF C44 H22 Br8 N4
                                                                                                                                                                                                                                                                                                                                      RN 465536-81-6 CAPLUS
CN 21B,23B-Porphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-, compd. with 3-methylpyridine (1:1) (9C1) (CA INDEX NAME)
                                                                                                                                                                                                                                                                                                                                                        СН 1
                                                                                                                                                                                                                                                                                                                                                        CRN 131214-86-3
CMF C44 H22 Br8 N4
                    CRN 91-22-5
CMF C9 H7 N
                 465536-80-5 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-, compd. with pyridine (1:1) (9CI) (CA INDEX NAME)
                                                                                                                                                                                                                                                                                                                                                     CN 2
                 ov 1
                                                                                                                                                                                                                                                                                                                                                       CRN 108-99-6
CMF C6 H7 N
                   CRN 131214-86-3
CMF C44 H22 Br8 N4
L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
                                                                                                                                                                                                                                                                                                                                   L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
           465536-84-9 CAPLUS
21H, 23H-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-,
compd. with 1-methyl-1H-imadazole (1:1) (9CI) (CA INDEX NAME)
                CRN 131214-86-3
CMF C44 H22 Br8 N4
                                                                                                                                                                                                                                                                                                                                                    CRN 1122-58-3
CMF C7 H10 N2
                                                                                                                                                                                                                                                                                                                                                 465536-90-7 CAPLUS
21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-,
compd. with piperidine (1:1) (9CI) (CA INDEX NAME)
             CRN 616-47-7
CMF C4 H6 N2
                                                                                                                                                                                                                                                                                                                                                   CH 1
                                                                                                                                                                                                                                                                                                                                                 CRN 131214-86-3
CHF C44 H22 Br8 N4
            465536-87-2 CAPLUS
4-Pyridinamins, N,N-dimethyl-, compd. with 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-21H,23H-porphine (1:1) (9CI) (CA INDEX NAME)
            CM 1
            CRN 131214-86-3
CMF C44 H22 Br8 N4
                                                                                                                                                                                                                                                                                                                                                CH 2
                                                                                                                                                                                                                                                                                                                                                CRN 110-89-4
CMF C5 H11 N
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465536-91-8 CAPLUS 21H,23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetraphenyl-, compd. utlh 1,4-dicame (1:1) (9C1) (CA INDEX NAME)

OH 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

CM 2

CRN 123-91-1 CMF C4 H8 02

465536-92-9 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-, compd. with suffinylbis[methane] (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

465536-95-2 CAPLUS 21H. 22H-Forphine 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl-, compd. with pyridine (1:1) (9CI) (CA INDEX NOME)

CRN 120644-25-9 CMF C44 H22 C18 N4



465536-96-3 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with 3-methylpyridine (1:1) (SCI) (CA INDEX NAME)

CH 1

CRN 120644-25-9 CMF C44 H22 C18 N4

ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

465536-93-0 CAPLUS 21H,23H-Forphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with quincline (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 120644-25-9 CMF C44 H22 C18 N4

CM 2

CRN 91-22-5 CHF C9 H7 N

ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

465536-97-4 CAPLUS 21H.23H-Forphine. 2.3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with l-methyl-lHr-imidazole (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 120644-25-9 CMF C44 H22 C18 N4

ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN

465536-98-5 CAFLUS
4-Pyridinamine, N., M-dimethyl-, compd. with 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl-21H, 23H-porphine (1:1) (9CI) (CA INDEX NAME)

(Continued)

CRN 120644-25-9 CMF C44 H22 C18 N4

CRN 1122-58-3 CRF C7 H10 N2

465536-99-6 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with piperidine (1:1) (9CI) (CA INOEX NAME)

CH 1

CRN 120644-25-9 CMF C44 H22 C18 N4

L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

465537-01-3 CAPLUS 21H.23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl-, compd. with sulfinylbis[nethane] (1:1) [SCI] (CA INDEX NAME)

OV 1

CRN 120644-25-9 CMF C44 H22 C18 N4

CRN 67-68-5 CMF C2 H6 O S

L6 ANSWER 30 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

2

465537-00-2 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl-, compd. with 1, 4-doxane (1:1) (9CI) (CA INDEX NAME)

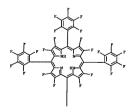
CH. 2

CRN 123-91-1 CMF C4 H8 02

L6 ANSWER 31 OF 140 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION HAMERIA
2002:60587 CAPLUS
2002:60587 CA

offets-2-3-2
RL PDM (Formation, unclassified); FRF (Properties); FODM (Formation, RL PDM (Formation, RL PDM); FORMATION, RL PDM (Formation, RL PDM); FORMATION, RL PDM (Formation); Formation of textenders/piorphyrin); French (French Representation); French RL PDM (French Representation); Fre

PAGE 1-A



L6 ANSWER 31 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

(Continued)

PAGE 2-A

●2 H<sup>4</sup>

IT

121399-88-0
RL: RPP (Properties): RCT (Reactant): RACT (Reactant or respent)
(theor. studies on fluorine substituent effects on structural changes
by "Perotomation of Cetraphenyiporphyrin")
12139-88-0 CAPUT

121399-88-0 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrakis(pentafluorophenyl)- (9Cl) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

L6 ANSWER 33 OF 148 CAPUUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:
D002146952 CAPUUS
D0021878 NUMBER:
1371;15101
1371;15101
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restructies, permitting attack on geometrically accessible saturates
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coules bonds, as in engage resettoms. For extending the carbon-carbon
coules bonds, as in engage resettoms. For extending the carbon-carbon
coules bonds, as in engage of particular predicted interest.
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(Tepica and attractive carbon carbon coules of steroids by otalysts
161.05-06-3 (CMLD)
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PAGE 1-A

131214-86-3 CAPLUS 21H,23H-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-(SC1) (CA INDEX NAME)

L6 ANSWER 33 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

REFERENCE COUNT: THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 34 OF 148 CMPLUS COPPRIGHT 2005 ACS on STN
ACCESSION NAMERI: 2002;138995 CAP LUS
1311;25095
ALTEROR(5): 1311;25095 CAP LUS
ACCESSION NAMERI: 2002;138995 CAP LUS
ACCESSION NAM

CODB: GURLE, 1589: 009-2614

DOCUMENT TYPE: Linewise Science B.V.

DATE STATE STATE

131214-86-3 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-(SCI) (CA INDEX NAME)

ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 465536-80-5 CAPLUS CAPLU OH 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

CRN 110-86-1 CHF C5 H5 N

465536-81-6 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-, compd. with 3-methylpyridine (1:1) (SCI) (CA INDEX NAME)

CM 1 CRN 131214-86-3 CMF C44 H22 Br8 N4

CM 2

L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

### 48536-70-19 48536-00-19 48536-01-09
48536-48-94 48536-49-79 48536-00-79
48536-48-94 48536-49-79 48536-00-79
48536-49-94 48536-49-29 48538-00-79
48536-49-39 48536-49-39 48537-00-29
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CH 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) CRN 108-99-6 CHF C6 H7 N



465536-84-9 CAPLUS 21H.23H-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-, compd. with !-methyl-!H-inidazole (1:1) (SCI) (CA INDEX NAME) OM 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

CRN 616-47-7

465536-87-2 CAPLUS 4-Pyridinamine, N.N-dimethyl-, compd. with 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-21H,23H-porphine (1:1) (SCI) (CA INDEX NAME)

OH 1 CRN 131214-86-3 CMF C44 H22 Br8 N4 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

CH 2

CRN 1122-58-3 CMF C7 H10 N2

465536-90-7 CAPLUS
21H, 23M-Porphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-, compd. with piperidine (1:1) (9CI) (CA INDEX NAME)

CRN 131214-86-3 CMF C44 H22 Br8 N4

CM 2

CRN 110-89-4 CMF C5 H11 N

ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



CRN 67-68-5 CMF C2 H6 O S

46556-93-0 CAPLUS 21H.23H-Forphies, 2.3, 7, 8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with quinoline (1:1) (9C1) (CA INDEX NAME)

CH 1

CRN 120644-25-9 CHF C44 H22 C18 N4

CN 2

CRN 91-22-5 CMF C9 H7 N

L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 465536-91-8 CAPLUS
CN 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetrapheny1-,
compd, with 1,4-dioxane (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

CN 2

CRN 123-91-1 CMF C4 H8 02

465536-92-9 CAPLUS 21H.23H-Forphine, 2,3,7,8,12,13,17,18-octabrono-5,10,15,20-tetraphenyl-, compd. with sulfinylbis[methane] (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 131214-86-3 CMF C44 H22 Br8 N4

L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



465536-95-2 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with pyridine (1:1) (9C1) (CA INOEX NAME)

CRN 120644-25-9 CMF C44 H22 C18 N4

465336-96-3 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with 3-methylpyridine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 120644-25-9 CMF C44 H22 C18 N4

- CRN 123-91-1 CMF C4 H8 O2
- CM 2

- CM 1 CRN 120644-25-9 CMF C44 H22 C18 N4
- 465537-00-2 CAPLUS 21R,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-, compd. with 1,4-dioxane (1:1) (9CI) (CA INDEX NAME)

- ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

- CRN 120644-25-9 CMF C44 H22 C18 N4
- 465536-97-4 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,10-octachloro-5,10,15,20-tetraphenyl-,compd. with 1-mathyl-1H-imidazole (1:1) (9C1) (CA INDEX NAME)

- L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
  - (Continued)

- (")

CRN 1122-58-3 CMF C7 H10 N2

CRN 120644-25-9 CMF C44 H22 C18 N4

CH 1 CRN 120644-25-9 CMF C44 H22 C18 N4

CH 2

REFERENCE COUNT:

CRN 67-68-5 CMF C2 H6 0 S

- CRN 120644-25-9 CMF C44 H22 C18 N4
- 465536-98-5 CAPLUS
  4-Pyridinamine, M,N-dimethyl-, compd. with 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetraphenyl-21H,23H-porphine (1:1) (9C1) (CA INDEX NAME)

465536-99-6 CAPLUS 21M.23H-Porphine, 2,3,7,8,12,13,17,10-octachloro-5,10,15,20-tetraphenyl-, compd. with piperidine [i:1] [SCI] (CA INDEX NAME)

L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 465537-01-3 CAPLUS 21M, 23M-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl-, compd. with sulfinylbis[methane] (1:1) (9CI) (CA INDEX NAME)

THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L6 ANSWER 34 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L6 ANSWER 35 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 2002:337886 CAPLUS

TITLE

ASSUER 3.00 148 CAPUS COPPRIGHT 2005 ACS on STN

DAWNT NUMBER:

DESCRIPTION OF THE PROPERTY OF AUTHOR (C) .

CORPORATE SOURCE: somer.

PUBLISHER:

DOCUMENT TYPE:

the sol-rel process using pyridics and industrie as tappists. Shy spectra of the iron complete of 2,37,31,42,13,71,81-ord-broces-1,101,162, because of the iron complete of 2,37,31,42,13,71,81-ord-broces-1,011,162, because of strongerbyfrin is a higher yearsty compared to the systems in solution A incomprising in a higher yearsty compared to the systems in solution A section of iron was observed in the presence of industrie, determined by of an ERR spectrum. The addition of delabelytic said vapor indused as

the absence
the absence
the description spectrum. The addition of chlorhydric acid vapor induced an observation of iron and a small quantity of iron in a high spin state was detected by a component with small spansarty. The ironoprophyrina were active as personide as oxygen donors. The prehalogenated pophyrina immobilized had a smaller activity due to their iron oxidation and spin achieved as a smaller activity due to their iron oxidation and spin achieved the same activity due to their iron oxidation and spin achieved the same activity due to their iron oxidation and spin achieved the same activity of their control activity activities and activity activities and activities are same activities and activities are activities and activities and activities and activities and activities activities activities and activities activities and activities activities and activities activities activities and activities activit

L6 ANSWER 36 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2002:308212 CAPLUS COPYRIGHT 2005 ACS ON STN 100:4084 STRUCK STR

2002:00212 CARUS
LITHEOMER TOWN of Structure-Properties Relationship
for Novel P-Halogenated Lambander Prophyrias and
for Novel P-Halogenated Lambander Prophyrias and
FARSH Nickel and Free Bases Precursors, as a Function
of Number and Nature of Halogena Atoms. Pagestopolog.
C. P.; Terzis, A. de Montauron, D.; Poilblanc, R.;
Caussolles, A. 0,
Expertance of Chemistry Laboratory of Bioincrepaic
pages and the Computer of Computer Compu AUTHOR (S):

CORPORATE SOURCE:

Journal

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): AB The synthet English CASREACT 137:40848

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CRN 131214-86-3 CMF C44 H22 Br8 N4

ANSWER 35 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

PAGE 1-A

REFERENCE COUNT:

THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 36 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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18944-25-59
Mil FBD (Properties) FDC (Basciant) FBM (Synthetic preparation) FREP
(Preparation) FACT (Basciant or reagent)
(preparation, electronic spectra, redox potentials and complexation with
terbusus(III))
18044-25-5 CADDUS

2H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetraphenyl-(9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 88 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 88

L6 ANSWER 37 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN ACCESSION NUMBER: 2002: 218837 CAPLUS DOCUMENT NUMBER: 137:5840

DOCUMENT NUMBER:

137:5840
Catalytic activity of tetraarylporphyrins in the oxidation reactions of saturated hydrocarbons Avdeev, M. V.; Bagrii, E. I.; Maravin, G. B.; Korolev, Yu. M. AUTHOR (S) ·

Yu. M. Topchiev Institute of Petrochemical Synthesis, Russian Academy of Sciences, Moscow, 117912, Russia Kinetics and Catalysis (Translation of Kinetika i Katalis) (2002), 43(1), 38-44
COBER: KICASI : ISSN: 0022-1548
MAIK Nauks/Interperiodica Publishing
Jaurnal CORPORATE SOURCE. SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE:

OTHER SOURCE(S):

NEMT TYPS: Journal England Tendency Ten

need actions trile medium. The test datalysts were dissolved in the reaction medium or adsorbed on layered alumnosilicates. It was found that the immobilization of metal complexes on layered alumnosilicates, as well as the broadmation of porphyrins, decreased the activity of catalysts in a number of cases, although it improved their stability. The addition of

pyridine ine
in an equinolar amount with respect to metal complexes to the reaction

misture are increased the activity of dissolved manganese complexes. An increase in the number of butylpyridyl meso-substituents in a porphyrin mol. improved

catalytic activity of a metal complex. 432028-75-69 ΙT

43003-71-69
Mi. STM (Synthetic preparation) FREP (Preparation)
(Catalytic activaty of tetrasy)porphyrins in the oxidation reactions of
(2003-75-6, Catalytic activation)
47003-75-6, Catalytic activation
47003-75-6, Catalytic activat

CM 1

CRN 432028-74-5 CMF C56 H54 Br8 N8

L6 ANSWER 18 OF 148
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S(12), 23-949.

S(12), 25-949.

ANSWER 37 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

(Continued)

CM 2 CRN 14797-73-0 CMF C1 04

REFERENCE COUNT: THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 38 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

PAGE 1-A

REFERENCE COUNT: THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L6 AMSWER 39 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2001:886633 CAPLUS TITLE: 136:578

136:578
Lithlum detection in liquid biological samples and reagents therefor
Balazs, Nicholas Deanis Henry: Secombe, John William Seba Diagnosics Pty. Ltd., Australia
CRI Lat. Appl., 41 pp.
CUDEN: FIXOR PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE:

Patent English

LANGUAGE: FAMILY ACC. NUM. COUNT:

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			GM,	HR,	HU.	ID,	IL.	IN,	IS.	JP.	KE.	KG.	KP.	KR.	K2.	IC.	t.K	TB	
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			112.	VN.	VII	71	79	AH,	17	BV.	W.	V7	MD,	711,	12,	UA,	06,	05,	
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	EP	1283	986			A1		2003	0219		EP 2	001-	9334	64		2	010	525	
		R:	AT,	BE,	CH,	DE,	DX,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL.	SE.	MC.	PT.	
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176:73-80-1 CAPUS
Benzenesulfonic acid, 4,4',4'',4'''-(2,3,7,8,12,13,17,18-octabromo-21H,23H-porphine-5,10,15,20-tetray1) tetrakis-, ion(4-) (9CI) (CA INDEX NAME)

LA ANSWER 40 OF 148 CAPUES COMPANION 2005 ACS on STN
2001772629 CAPUES
2001772629 CA

recorded. 131214-86-3

131214-68-3 RE: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent) (Structure and physicochem. properties of substituted porphyrins) 131214-68-3 CAPUS 21H. 23H-7orphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetraphenyl-(SCT) (CA INDEX MAME)

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT AMSWER 39 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

5

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE PORMAT

L6 AMSWER 41 OF 148 CARLUS COPYRIGHT 2005 ACS on STM
2001;539788 CAPLUS
2001;539788 CAPLUS
116;7495,000 and plays of octa- and tetrahologosated tetraphorylosophyriaes and their metal derivatives (Grunder, M., Ordubisio, C., Coutosolies, A. G., Mikhelo, S. S.
2006;000 and C., Coutosolies, A. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, A. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, A. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
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2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
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2007;000 and C., Coutosolies, M. G., Mikhelo, S. S.
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SOURCES

JOURNAL OF Moderal as Tructure (2001), 595(1-2),

CORDEN MODERAL ISSUE (2002-2860)

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AS A new maximally disponal force field for mol. modeling of macual unperparties in developed and optimized on the crystal structures of macual unperparties in developed and optimized on the crystal structures of macual unperparties in developed and optimized on the crystal structures of macual unperparties in developed and optimized on the crystal of the crystal of the crystal of the crystal optimized of common distortion of common distortion of the crystal optimized on the crystal optimization of the crystal optimization optimization of the crystal optimization opti



REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS ANSWER 41 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 42 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2001:488195 CAPLUS DOCUMENT NUMBER: 135:263667

ACCESSION NAMERIA: 2051:48195 CAUSS

TITUE: Usuamia solvent dependent optical absorption spectral properties of free-base parhaloporphyrins properties of free-base parhaloporphyrins (CONFONNIE SOUNCE: Description of the properties of free-base parhaloporphyrins (CONFONNIE SOUNCE: CONFONNIE SOUNCE: C

(D25 mm) and viable. Q (D50 mm) were observed for perhaloporphyrias in solvents relative to nompolar solvents. This was accrited to the chabaced distortion of the nacroeyclic ring induced by H-bonding interaction between the porphyria once pyriolic HWI or pyriolicalism intropens with the state of the control of the cont

131214-86-3 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetraphenyl-(9C1) (CA INDEX MAME)

ANSWER 42 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN



REFERENCE COUNT:

THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 33

L6 ANSWER 43 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION HOMERS:
2001;371:490 CAPLUS
1711LE:
171

DOCUMENT TYPE: Patent Japanese

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001138634	A2	20010522	JP 1999-322999	19991112
PRIORITY APPLN. INFO.:			JP 1999-322999	19991112
OTHER SOURCE(S):	MADDAT	134:359572	** ************************************	.,,,,1112
CT.	Industri	1041333372		

The invention relates to a recordable optical disk contains a novel polyolefic derivative represented by a general formula [ 0f = 2 phropen atoms, net2] stons X1-6 = M. F. alkyl, sikony; R1-4 = alicyclic absolutional; an ercording layer. The recordable optical disk shows high 120004-40-0 130004-40-1 12000-4

(Uses) (Doly) lefin derivative in recordable optical disk suitable for readout at 60-050 mm) (150 mm)

PAGE 1-A

(Continued)

PAGE 1-A

139944-26-6 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetrakis(pentafluorophenyl)- (9CI) (CA INDEX NAME)

ANSWER 43 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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161405-60-3 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrakis(pentafluorophenyl) - (9CI) (CA INDEX NAME)

L6 AMSWER 44 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION HUMBERS: 2001;371487 CAPLUS
TITLE: No. 1001;371488 ACS APLUS
TITLE: No. 1001;371488 ACS APLUS
TITLE: No. 1001;371488 ACS APLUS
TITLE: No. 1001;37148 ACS APLUS

MARPAT 134:359571

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. JP 2001138633
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GI

KIND DATE APPLICATION NO. DATE A2 20010522 JP 1999-322756 JP 1999-322756

The invention relates to a recordable optical disk contains a novel polyolefic derivative represented by a general formula 1 00 = 2 hydrogen polyolefic derivative represented by a general formula 1 00 = 2 hydrogen carbonyl, alkyl, alkowy, aryl, amio, acyl) has a recording legyer. The recordable optical disk shows high semitivity at a blue region. 181609-60-3 legses-12-3 33274-24-7
RLI PRO (Properties) TRM (Technical or expinered material use), USES (Des) (100-10) (10

PAGE 1-A

PAGE 2-A

129006-48-0 CAPLUS 21H, 2Mt-Porphine, 2.3, 7, 8,12,13,17,18-octabrono-5,10,15,20-tetrakis(2,4,6-trinethylphenyl-(GCI) (CA INDEX NAME)

PAGE 2-A

139944-26-6 CAPLUS 21H,23M-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(pentafluorophenyl)- (9CI) (CA INDEX NAME)

ANSWER 44 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A

PAGE 2-A

161405-60-3 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrakis(pentafluorophenyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 44 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

PAGE 1-A

PAGE 2-A

186885-28-9 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetraphenyl-(SCI) (CA INDEX MAME)

339274-24-7 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octafluoro-5, 10, 15, 20-tetrakis(4-nethoxyphenyl) - (9CI) (CA INDEX NAME)

ANSWER 45 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

186885-28-9 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetraphenyl-(SCI) (CA INDEX NAME)

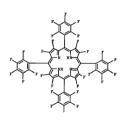


REFERENCE COUNT:

THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Le ANSWER 45 of 148 CAPLUS COPTRIGHT 2005 ACS on STN
ACCESSION NOMESER:
2001;134639 CAPLUS
2001;134639 CAPLUS
STRUCTURE and Photophysics of D-Octafluoro-mesotectarapylopphyras
tectarapylopphyras
correctly acceptance of Chemistry, Nouversity of CAPLUS
CORPORATE SOURCE:
Department of Chemistry, Nouversity of Mebraske-Licotin, Lincolin, No. 6558-3504, USA
CORPORATE SOURCE:
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PAGE 1-A



LA AUSWER 40 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
DOCUMENT NUMBER:

JULY 2005 CAPLUS

201 12002 CAPLUS

PUBLISHER:

CONFORMER 500/CE:

CONFORME 500/CE:

L=1214-05-3F
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation, electronic spectrum and electrochem. redox, and lexation

lexation with copper and zinc) 131214-86-3 CAPLUS (131214-86-3 CAP



REFERENCE COUNT:

THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 59

L6 ANSWER 47 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2000:870724 CAPLUS
DOCUMENT NUMBER: 134:222261
TITLE: 0xidation of alkanes and alkener

2000:970724 CAPLUS
134:222261 Olidation of dikanes my icologylbenzene and
Olidation of dikanes and alkenes my icologylbenzene and
perphyrane in homogeneous solution and covalentily
bound to silica
Doro, F. G.; Saith, J. R. L.; Ferreira, A. G.; Assis, AUTHOR (S):

M. D. Departamento de Quimica, Universidade de Sao Faulo, Faculdade de Filosofía Clencias e Letras de Ribeirao Freto, Ribeirao Preto, Sao Faulo, 1404-901, Braril Journal of Molecular Catalysis A: Chemical (2000), 164 CORPORATE SOURCE: COURCE.

PUBLISHER: DOCUMENT TYPE:

LANGUAGE: OTHER SOURCE(S): English CASREACT 134:222261

Solich Exposition 
Solich

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

Ni. MT. (Rescant): SNV (Symbtosic preparation): FEW preparations of the constitution of alkness and slatemes by indexplacers and bydropes perceided consistint of alkness and slatemes by constitution of alkness and slatemes prophyrias in homogeneous solution and catalyzed by histophased management of the constitution of the c

L6 ANSWER 48 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 2000:802778 CAPLUS DOCUMENT NUMBER: 134:100652

DOCUMENT NUMBER:

AUTHOR (S)

CORPORATE SOURCE:

SOURCE.

PUBLISHER: DOCUMENT TYPE: LANGUAGE:

LANGUAGE: OTHER SOURCE(S):

COMMENT MOMERS:

130:100327 CAPLUS

134:100328

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31100-61-05 ML: SPN (Synthetic preparation): FREP (Preparation) (Preparation of fluorinated calis(s)syrroles) 311004-81-0 GADIS 21H: 23H-07phiss, 2, 3, 7, 8, 12, 13, 17, 18-octafluoro-5, 10, 15, 20, 22, 24-6 Machaydro-5, 10, 10, 15, 15, 20, 20-octaenthyl- (SCI) (CA. INDEX MANE)



REFERENCE COUNTY

21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT ANSWER 47 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

64

REFERENCE COUNT:

THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 49 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:735661 CAPLUS
TITLE: 134:91666

Division

Metallgorphyric catalytic oxidations of hydrocarbons wheallgorphyric actalytic oxidations of hydrocarbons wheallgorphyric catalytic oxidations of hydrocarbons with the properties of Quinca, Universidade de Coision, Coision, P-D049, Fort.

Chimber, P-D049, Fort AUTHOR(S): CORPORATE SOURCE:

SOURCE:

PUBLISHER:

DOCUMENT TYPE: LANGUAGE: Journal English

IMGE: English
The metalloporphyrin catalytic oxidation of hydrocarbons using dilute

Ad. The metalloporphysmic octalytic oxidation of nyurocorroms using underly hydrogen perceids as onyyen donor with a two-phase system in the presence of an executive property of the property of the property of the state of the property of the second seco

197035-95-09
RKL: SFN (Synthetic preparation); PREP (Preparation)
(metalloporphyrin catalytic oxidas, of hydrocarbons by H202)
197035-95-0 CAPLUS
21H.2HR-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetrakis(2, 6-dichlorophenyl) (SGI) (CA. INDEX MANN)

REFERENCE COUNT:

13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AMSWER 50 OF 148 CAPLUS COPPRIGHT 2005 ACS on STM (Continued)
RLI PMP (Properties): 537M (Synthetic preparation): PREP (Preparation)
RLI PMP (Properties): 40 Account (Preparation): PREP (Preparation): 11804-81-81 (11804-81-81): Account (Preparation): A OH 1 CRN 311804-81-6 CMF C28 H28 F8 N4 12(42), 10364-10372

CORDIT ACMATA 15381: 0002-7863

CORDIT ACMATA 15381: 0002-7863

CORDIT ACMATA 15381: 0002-7863

DOCUMENT 1791:

AN INCOMENTATION OF THE PROPERTY OF THE P bonds. 311804-81-69 311804-m.-GP (Marchael PMC (Marchael) 2PM (Vanhetic preparation) PREF (Treparation) NACT (Reservation) FREF (Treparation) NACT (Reservation or research) (preparation and manon hinding by contribution or should be seen to the second of the second secon 311804-88-3 CAPLUS
1-Butanaminium, N.N.N-tributyl-, chloride, compd. with
2.3,7.8,12,13,17,18-o-otafluoro-5,10,15,20,22,24-hexahydro5,5.10,10,15,15,20,20-octamethyl-21H,23H-porphine (1:1) [9CI] (CA INDEX NAME) CH 1 311804-87-2P 311804-88-3P 311804-89-4P 311804-94-1P ANSWER 50 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) L6 ANSWER 50 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN CRN 5574-97-0 CMF C16 H36 N . H2 O4 P OM 3 CRN 14066-20-7 CMF H2 04 P CRN 1112-67-0 CMF C16 H36 N . C1 · CH 4 CRN 10549-76-5 CMF C16 H36 N • c1-311804-94-1 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octafluoro-5, 10, 15, 20, 22, 24-heahylro-5, 5, 10, 10, 15, 15, 20, 20-octamethyl-, compd. with sulfinylbis[methane] (1:1) (SCI) (CA INDEX NAME) 311804-89-4 CAPLUS
1-Butanasanum, N.N.N-tributyl-, phosphate, compd. with
2.3.7,8,21,21,317,18-octafluoro-5,10,15,20,22,24-hexahydro5,5,10,10,15,15,20,20-octamethyl-21M,23M-porphine (1:1:1) (9CI) (CA INDEX MMMS) **CM** 1 CRN 311804-81-6 CMF C28 H28 F8 N4 CM 1 CRN 311804-81-6 CMF C28 H28 F8 N4

> CRN 67-68-5 CMF C2 H6 O S

CH 2

L6 ANSWER 50 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

DEFENDENCE COUNT.

THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMEER: 2000: 680398 CAPLUS
TITLE: 133:25219

ACCESSION NUMEER: 2000: 680398 CAPLUS

133:25219

133:252219
synthesis of cotafluoro-meso-tetraarylporphyrins and
their metal complexes for use as catalysts
Dimagno, Stephen G,
University of Nebraska-Lincoln, USA
U.S., 10 pp.
CUBEN USIGMA

INVENTOR (S): PATENT ASSIGNEE (S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. CO PATENT INFORMATION: Patent English

PATENT NO. KIND DATE APPLICATION NO. DATE

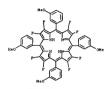
PATENT NO. XIND MATE APPLICATION NO. DATE

10 012457 A 2000020 to 1997-98491 19971219

PRICENT APPLAN. IMPO.: OF 2000020 to 1997-98491 19971219

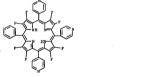
AB 2000020 A 2000020 to 1997-98491 19971219

AB 2000020 A 200

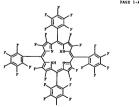


295778-60-8 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetra-4-pyridnyl- (9CI) (CA INDEX NAME)

ANSWER 51 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



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L6 ANSWER 51 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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186885-28-9 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetraphenyl-(SC1) (CA INDEX NAME)



REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 52 OF 148 CAPLUS COPYRAGHT 2005 ACS on STN
2000MIN NUMBER:
TITLE:
Uppollung of a Metal-Carbon Bond: A Fotential Route to
Pupply: a Seemed Methods Functionalization Catalysts
TORPOWNERS ONCE:
Department of Chemistry, University 6888-5094, USA
3000MIN:
Uppollung to Capture 1000 ACS ONCE:
Department of Chemistry, University 6888-5094, USA
3000MIN 12015; 850-8570
122(5); 850-8570
AMERICAN CHARLES ONCE:
DEPARTMENT OF CHEMISTRY (2000),
AMERICAN CHARLES ONCE (1000MIN)
TORPOWNERS OF CHEMISTRY (2000)
AMERICAN CHARLES ONCE (1000MIN)

LANGUAGE:

RL: CAT (Catalyst use); RCT (Reactant); RACT (Reactant or reagent); USES

(Uses) [ligand; uspolung of metal-carbon bond and route to porphyrin-based methane functionalization catalysts) [13399-88-0 CAFIUS ] 7,78,12,13,77,18-octafluoro-5,10,15,20-tetakis[petalchuorophane] (SCI) (CA INDEX NAME)

DECT 1-8

L6 ANSWER 53 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 2000:472188 CAPLUS COPYRIGHT 2005 ACS ON STN 133:202236

AUTHOR (S):

CORPORATE SOURCE.

133:20226

Malognation of metalloporphyrins
Ralognation of Malognation
Ralognation of Malognation
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Ralo COURCE.

PUBLISHER

COURSE NOTATION:

COURSE 1992:

COURSE 1993:

REPERENCE COUNT: THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L6 ANSWER 52 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

25

PAGE 2-A

REFERENCE COUNT:

THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 54 OF 148 CAPLUS ACCESSION NUMBER: 2000: DOCUMENT NUMBER: 133:2 TITLE: The o AFLUS COPYRIGHT 2005 ACS on STN 2000:426679 CAPLUS 133:266543

133:266543
The oxidation of ethylbenzene and other alkylaromatics by dioxygen catalyzed by iron(III) tetrakis(pentafluorophenyl)porphyrin and related iron resolution.

AUTHOR(S): CORPORATE SOURCE:

tetrakis (pentariunrophemyajpuspyrin amu prophyrina Pvans, Steven) Lindsay Smith, John R. Pvans, Steven Lindsay Smith, John R. Vork, York, York, York, 2000 500, (2000), (7), 1541-1552

CODEN: PRKTFO Royal Society of Chemistry

CODEN PARTY
DECUMENT TYPE: Royal Society of Chemistry
DOCUMENT TYPE: Journal
OPERS SOURCE(s): CARRACT 133:266543
AB The oxidation of ethylbenzene with dioxysen catalyzed by iron(III)
porphyrina

As the Collaborous of temperature rate above, the temperature range 30-110

C. The time dependence of the formation of the three main products, jethenylethonol, acctophenoms and 1-phenylethonol products, plensylethonol, acctophenoms and 1-phenylethonylethonylethonological acctophenoms and 1-phenylethonylethonological acctophenoms. The yields of the contaction products are determined

by the rate of reaction and by the lifetime of the cetalyst. Catalyst 1-phenylethonyl and 1-phenylethonylethonyl and 1-phenylethonyl and 1-phenylethonyleth

I-DBonystowey one "programming to the oxides observed of induction preside and longer reaction times of the oxides observed at lower reaction temps, are counter balanced by increased catalynt with the control of the counter of the

(Reactant or respect)

(oxidation of (alkyl)benzenes by droxygen catalyzed by iron porphyrins) (Meadcant or reagent) (Oxidation of (alkyl)benzenes by dioxygen catalyzed by in 161405-60-3 CAPLUS 21M, 23M-Pophine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetrakis(pentafluorophenyl)- (9CI) (CA INDEX NAME)

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REFERENCE COUNT:

THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 55 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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PAGE 2-A

REFERENCE COUNT:

THERE ARE 94 CITEO REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

15. ANSERS 5.07 14 CAPLUS COVENIENT 2005 ACS on STM
ACCESSION NOMES:

DOCUMENT NUMERS:

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131.21333

ANTHOR(5):

ANTHOR(6):

Classes of Electron-deficient Perphyria Catalyzed
Note. Review of Covenient Perphyria Catalyzed
Note. Review 1.7, 10 Novel, 1 tytan 7.1 The tien, Nichola

J. Department of Chemistry, University of Pennsylvania, Philadelphia, PA, 19104-6323, USA lancganic Chemistry (2000), 39(15), 3125-3139 CODEN: INOCAJ; ISSN: 0020-1669 American Chemical Societae CORPORATE SOURCE:

Philadelphis, Ph. 19104-022, USA

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me provides for the decomposition of tert-Bu hydroperoxide intermediates via reaction with PFe-OH complexes; the PFeIII species responsible for hydroperoxide decomposition are regenerated by reaction of PFeII with divergerouse seconymeration of the conditions.

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R. Ref (Beschaft) ARAT (Restant or reagent)
R. Set (Beschaft) ARAT (Restant or reagent)
R. 1994-24-6
R. 1994-24-

ANSWER 56 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN SSSION NUMBER: 2000; 282110 CAPLUS

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

AUTHOR (S)

CORPORATE SOURCE:

SOURCE:

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COORD. PACHE ISSUE 1089-5639

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4611-81-4 CAPLOS H, 23H-Porphine, 2,3,7,8,12,13,17,18-octachloro- (9CI) (CA INGEX NAME)



144811-83-6 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono- (9CI) (CA INDEX NAME)

ANSWER 56 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

I44811-86-9 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro- (9CI) (CA INDEX NAME)



DEFENDANCE COUNT.

51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 57 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:770768 CAPLUS
DOCUMENT NUMBER: 12:129866
TITLE: Photocatalytic activation of oxygen by Iron(III)

AUTHOR (S): CORPORATE SOURCE:

Photocatalytic activation of soygee by iron(III)
posphyriam = Luppa, Boriti
Despity = Luppa, Boriti
Despity = Luppa, Boriti
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Despity, D-Olloy, Germany
Journal fuer Fraktische Chemie (Weinheim, Germany)
Journal fuer Fraktische Chemie (Weinheim, Germany)
Journal fuer Fraktische Chemie (Weinheim, Germany)
Journal (Jan 1436-9966
Wiley-VGI Verlag GmbH
Journal SOURCE:

SOURCE:

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COORD: JCGPL 12501, 131-966

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COORD: JCGPL 12501, 131-966

UNBOOKDET.

DATE 12501, 131-966

Unity College 12501, 131-966

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ANSWER 57 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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161405-60-3 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrakis(pentafluorophenyl) - (9CI) (CA INDEX NAME)

L6 ANSWER 57 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

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REFERENCE COUNT: THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L6 ANSVER S8 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMEER: 1599:770348 CAPLUS
TITLE: 12:2253

132:32535
Electronic effects on the stereoselectivity of epoxidation reactions catalyzed by manganese porphyrins Bachocohi, Enrico; Boschi, Tristano; Cassioli, Luigi; Galli, Carlor Jaquinod, Laurentr Lapi, Andrea; Poolesse, Robertos Smith, Kevin H.; Tagliatesti, Poolesse, Robertos Smith, Kevin H.; Tagliatesti, AUTHOR (S) .

Pietro Chinica, Univ. La Sapienza, Rome, Dipplication Chinica, Univ. La Sapienza, Rome, European Journal of Organic Chemistry (1999), (12), 2321-232 CODDN: EXOCFE 15SN: 1434-193X Viley-VCH Verlag GmbH Journal CORPORATE SOURCE:

commer.

PUBLISHER: DOCUMENT TYPE:

English

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Journal Months of Modified Propressively halognated in the Popuration of Modified Propressively halognated in the Popuration of Modified Propressively halognated in the Popuration of Modified Propressively the role of the electronic effects on the starcoselectivity of this process. A randual improvement effects on the starcoselectivity of this process. A randual improvement of the process of the propressive Prop

tion around the C-C bond. In this case, the enhanced stereoselectivity gives by our polyhalogenated porphyrins might be attributed to an acceleration of the epoxide ring closure caused by the electron-withdrawing effect of the halogen substituents.

131214-66-3
RL: RCT (Reactant): RACT (Reactant or reagent)
(coordination: steric and electronic substituent effects of porphyrin
liquands on Mn porphyrin-catalyzed stereoselective epoxidn. of
cis-stilbene)
131214-66-3 CAPUS

21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetraphenyl-(9C1) (CA INDEX NAME)

L6 ANSWER 59 OF 148 CAPLUS COPYRIGHT 2008 ACS on STN
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STORY CONTROL 1999;192518 CAPLUS
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CRN 67-66-3 CMF C E C13

L6 ANSWER 50 OF 140 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITETIONS AVAILABLE IN THE REFORME

L6 ANSWER 59 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

OH 2 CRN 161614-77-3 CMF C44 H22 Br8 N4 , 2 C2 H F3 O2

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CRN 131214-86-3 CRF C44 H22 Br8 N4

CRN 76-05-1 CMF C2 H F3 02

CH 1 CRN 131214-86-3 CMF C44 H22 Br8 N4 ANSWER 59 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

CH.

CRN 76-05-1 CMF C2 H F3 02

REFERENCE COUNT:

THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 60 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

PAGE 1-B

L6 ANSWER 60 OF 148 CAPLUS CONTRIGHT 2003 ACS on STN

DOCUMENT MARKEN:

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111125692 CA

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ONDOWNATE SOURCE:

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L6 ANSWER 60 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

PAGE 2-A

PAGE 2-B

20013-34-39
NA PEP (Physical, espineering or chemical process): PEP (Properties). SPN
(Opthering preparation): PEP (Properties). SPN
(Opthering preparation): PEP (Process)
(Opthering preparation): PEP (Process)
(Incomplete and Period Period

Double bond geometry as shown.

PAGE 1-A

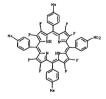
L6 ANSWER 60 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

18913-37-6
NI PRO (Formation, unclassified) FORM (Formation, nonpreparative)
(in synthesis of archemose-linked diporphysin Zn complexes (Erratum)
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L6 ANSWER 60 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

ANSWER 60 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



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ACCESSION MUNEER: 1999:523271 CMPURS
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171TLE: 1999:523271 CMPUR

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): Fool 1 sh

IMGE: English S SOURCE(s): CASREACT 131:29306
An investigation of the synthesis of dodecaarylporphyrins using the Suzuki coupling reaction of arylboronic acids with octabromotetraarylporphyrins is reported. Variable temperature IH NMR studies of these new porphyrins

several dynamic processes including the lst examples of β-aryl

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PAGE 1-A

PAGE 2-A

L6 ANSWER 61 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

REFERENCE COUNTY THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L6 ANSWER 61 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

131214-86-3 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-95C1 (CA INDEX NAME)

(Continued) PAGE 2-A

139944-26-6 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(pentafluorophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

PUBLISHER: DOCUMENT TYPE: LANGUAGE:

UMGE: enable porphyrin (2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(4-sulfonatophenyl)porphyrin (R2(obtpps)4-, H2P4-)) synthesized in the laboratory was applied to a solvent extraction method and a liquid

the laboratory was applied to a solvent extraction membrane enabrane membrane transport of lithium 210-5 M (= nol de=3) in the presence of sodium chlorode >0.1 M. The lithium porphyrin with five new, charges was considered successfully into chloroform with tetraturylamonium ion (Bet2Cl4) at pH 12.7. The extraction constant for the reaction of [ifFs]a \* 5[MHS2C] 6019 at pH 12.7. The extraction constant for the reaction of [ifFs]a \* 5[MHS2C] 6019 at pH 12.7. The extraction constant for the reaction of [ifFs]a \* 5[MHS2C] 6019 at pHS2C [ifFs]a \* 6[MHS2C] 6019

Lithium was transported to an aqueous phase at pH 7 through a chloroform

resp. Lithium was transported to an aqueous phase at pH ? through a chloroform liquid machinam containing ((04502(4))509). The extraction and transport mechanism was discussed from extraction consts., chemical species and transportation rate. Some extraction rate of the content of the conte

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REFERENCE COUNT:

THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

PAGE 1-B

PAGE 2-A

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AUTHOR(S): CORPORATE SOURCE:

CA130:160405] Tsuchiya, Shinji Institute Industrial Science, Univ. Tokyo, Tokyo, 106,

ANTHOR(S):

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Double bond geometry as shown.

ANSWER 63 OF 148 CAPLUS COPYRIGHT 2005 ACS on SIN (Continued)

PAGE 2-B

230213-34-3p
RAL FEE (Physical, engineering or obtained process): FFE (Properties): SFN
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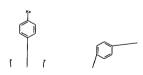
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ANSVER 63 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 21H, 23H-Porphine, 2,3,7.8,12,13,17,18-octafluoro-5,10,15-tris(4-methylphenyl)-20-[4-([18]-[4-[10,15,20-tris(4-methylphenyl)-21H,23H-porphin-5-yl]phenyl]-20[henyl]-

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



(Continued)

PAGE 2-B

220213-36-5
RLI PRO (Properties)
([Thurresonce quenching by electron transfer from electron-rich to electron-deficient pephysrin in relation to photophysics of electron-deficient pephysrins (firzatus))
220213-36-5 (2004)

21M.238-Porphins, 2.2,7.8,12,13,17,18-octafluoro-5,10,15,20-tetrakis(2,4,5-transchylphesyl)- (9C1) (CA INDEX NAME)

ANSWER 63 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

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M. SNO (Formation, unclassified), FORM (Formation, soppreparative)
22013-7:6- (CAMES)
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PAGE 2-A

PAGE 1-A

THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT REFERENCE COUNT:

L6 ANSWER 64 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION HOWERS:

1093/20011 CAPLUS

Effects of halopenation on the located and socited states of free-base and gano popplyrins states of free-base and gano popplyrins and the ATTORNESS OF STATES OF STATES

and zinc porphyrins)
144811-81-4 CAPLUS
21R, 23H-Porphine, 2,3,7,8,12,13,17,18-octachloro- (9Cl) (CA INDEX NAME)



144811-83-6 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octabromo- (9CI) (CA INDEX NAME)

ANSWER 65 OF 148 CAPLUS COPYRIGHT 20D5 ACS OR STN



144811-86-9 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: THERE ARE 95 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

AUTHOR (S) CORPORATE SOURCE.

SOURCE .

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DOCUMENT TYPE: LANGUAGE:

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31214-86-3 CAPLUS
21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 1D, 15, 20-tetraphenyl(9C1) (CA INDEX NAME)



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ANSWER 66 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

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THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 67 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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ANSWER 67 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN SSION NUMBER: 1999:19120 CAPLUS MENT NUMBER: 130:162452 L6 ANSWER 67 OF ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

130112442
Trace analysis of lithium with a water-soluble purplying and the purple and the AUTHOR (S): CORPORATE SOURCE:

PUBLISHER:

DOCUMENT TYPE: LANGUAGE: Journal English

in alkaline squeous solution to form the Li compice along with a shi-absorption square (squeous solution to form the Li compice along with a shi-storption square (squeous squeous s

15-+ H+ is 10-8.79 and the conditional formation constant of the [LiP]5- at pH 13 is 104.21. The [LiP]5- can be extracted into CRC13 as an ion-pair

ex with Bu4N ion (X+) and the extracted X5L1P dissocs. to X4L1P- and X+ in

. The extraction constant for the reaction of [LiP5-]a + 5[X+]a .dblarw.

[X4LIP-]o is (0.4 ± 0.7) + 1012 mol-4 dml2, where subscripts of a and o denote chemical species in aqueous and organic phases, resp. The

results were developed for the determination of Li in serum, sea water and

perion NOS maples at 0.07-0, page do; it is nerum, see wat specing NOS maples at 0.07-0, page do; it is 10.5-1 a; 10-4 and de-3). The interference of heavy metal lone was marked by NN\*-1,2-ethnodylbis[Pr. (carboylasthyl)] promotoclosupsesum(II) ([Mp. (IDTA]]) - 0 \* MEDTA if seeple contain Mp. ([I]) ion. see a seed of the seed of

1/6173-80-1 CAPLUS Benzenesulfonic acid, 4,4',4'',4'''-(2,3,7,8,12,13,17,18-octabromo-21H,23H-porphine-5,10,15,20-tetray1)tetrakis-, ion(4-) (9CI) (CA INDEX NAME)

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Double bond geometry as shown.

L6 ANSWER 68 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A

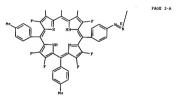
PAGE 1-B

L6 ANSWER 68 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-B

IT 20213-94-99
NAI PRE (Physical, asgineering or chemical process); PRE (Properties); SN (Synthetic preparation); PREP (Preparation); PREPARATION; PRE

Double bond geometry as shown.



DAGE 2-A

220213-37-6 IT

RL: PMU (Formation, unclassified): FORM (Formation, nonpreparative)
(in synthesis of azobenzene-linked diporphyrin 2n complexes)
220213-37-6 CAPLUS

220213-37-6 CAPLUS
21H.23H-Porphine, 2,3,7,8,12,13,17,18-octafluore-5,10,15-tris(4-methylphenyl)-20-(4-nitrophenyl)- (9CI) (CA INDEX NAME)

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131214-86-3 CAPLUS 21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetraphenyl-(SCI) (CA INDEX NAME)

REFERENCE COUNT:

72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 69 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN



REFERENCE COUNT. 14

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 70 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 1998:795635 CAPLUS DOCUMENT NUMBER: 130:102947

DOCUMENT NUMBER: TITLE:

130:102947

Porphyrin compound and laser-recordable optical recording medium using it
Masacka, Tomhihiro; Terao, Hiroshi; Kamagaya, Youjiro;
Tsukahara, Hiroshi; Misawa, Tsutayoshi; Takuma, INVENTOR (S):

PATENT ASSIGNEE (S):

Taukahara, hirosni, hisasa, kisiske Ksisuke Mitaui Chemicals Inc., Japani Yanamoto Chemicals Inc. Jpn. Kokai Tokkyo Koho, 17 pp. CODEN: JKOKAF

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: Japanese 1

PATENT NO. JP 10330632 PRIORITY APPLN, INFO.: OTHER SOURCE(S):

KIND	DATE	APPLICATION NO.	DATE
		*****************	
A2	19981215	JP 1997-138509	19970528
		JP 1997~138509	19970528
MARPAT	130:102947		

The porphyrin compound comprises I (R = alkyl, (un) substituted Ph, naphthyl; X = H, halo; n = 1-8; H = 2H; divalent metal, trivalent or tetravalent setal derivative). The recording medium has a recording layer containing

nedium showed high sensitivity for 520-690-nm laser light. 131214-86-3, 2,3,7,8,12,13,17,18-Octabrone-5,10,15,20-IT

133214=80-3, 2.3, 1,8,12,13,17,18-Octabrono-5,10,15,20-tetraphenylporphyrin
RL: RT (Reactant): RACT (Reactant or reagent)
(thioetherified porphyrin compound for laser-recordable optical recording

(thickmerile porphyrin compound for laser-recordable optical reconsisting the second section of the second sec

L6 AMENUM 71 of 148 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NAMERS:
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ANTHOR(S)
CORPORATE SOURCE:
CORPORATE S

respect to the mercury(II) concentration and decreased with increasing pH from pH

respect to the secury(II) concentration and decreased with increasing pNI from pNI co. 2. To the security(II) concentration and decreased with increasing pNI from pNI co. 3. The cate expression was written as delEgr4/jet. cg/MEX-[16]-1. The MNIP. MMIRP HIND PNIP. (1 \* KI[H]-1 + 1. [18](GOI)[INTF4-1]. The MNIP. MMIRP and MNIP values were found to the concentration of the concentration

Benzenesulfonic acid, 4,4',4'',4''',(2,3,7,8,12,13,17,18-octabrono-21H,23H-porphine-5,10,15,20-tetray1)tetrakis-, lon(4-) (9CI) (CA INDEX NAME)

ANSWER 70 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

(Continued)

L6 ANSWER 71 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 72 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN ACCESSION NUMBER: 1998:577480 CAPLUS DOCUMENT NUMBER: 129:253965

DOCUMENT NUMBER: 129:253965
197 NMR and Structural Evidence for Spin-State
Modulation of Six-Coordinate Cobalt(11) in a Weak
Fleid Porphyrin Ligand
Smirnov, Valeriy V., Woller, Eric K.; DiMagno, Stephen AUTHOR (C) .

G.
Department of Chemistry, University of
Nebraska-Lincoln, NE, 68588-0304, US
Inorganic Chemistry (1998), 37(19), 4971-4978
COGEM: NECAJ ISSN: 0202-1669
American Chemical Society CORROBATE SOURCE:

PUBLISHER: OCCUMENT TYPE:

Journal English LANGUAGE:

121399-88-0 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrakis(pentafluorophenyl)- (9CI) (CA 1NOEK NAME)

ANSWER 72 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

PAGE 2-A

(Continued)

PAGE 1-A

186885-28-9 CAPLUS 21H, 23H-Porphine, 2, 3, (9C1) (CA INDEX NAME) 3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrapheny1-



REFERENCE COUNT:

47 THERE ARE 47 CITEO REPERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LE ANSWER 73 OF 16 CAMINE COPYNIGHT 2008 ACS ON STN
ACCESSION NOMERS:
1998:57740 CAPUNS
1711A1 1

single linear free energy relation, and plots of EI/2 vs. the number of Br groups on the complex show a linear correlation with a pos. slope of 63 mV per Br group. This is not the case for the other three electron transfer processes of the compds, where plots of EI/2 vs. the number of Br groups

processes of the coupds, where plots of \$1.2 we. These identications processes of the coupds, where plots of \$1.2 we. The section triangle and these with itel Br groups. The effect of increasing moder of Propaga and these with itel Br groups. The effect of increasing moder of Propaga and these with itel Br groups. The effect of increasing moder of Propaga and these with itel Br groups. The couples was compared to results of the couples are compared to results of the couples are compared to results of theory of the four purphyrin macropycle ring altrogene is proposed as a messure of the four purphyrin macropycle ring altrogene is proposed as a messure of the four purphyrin macropycle ring altrogene is proposed as a messure of the four purphyrin macropycle ring altrogene is proposed as a messure of the four purphyrin macropycle ring altrogene is proposed as a messure of the four purphyrin macropycle ring and the wide in the compared to the compar

131214-86-3
RL: RCT (Reactant); RACT (Reactant or respent)
(for preparation of zinc brominated tetraphenylporphyrinato complex)
131214-86-3 (APLUS
21M, 23M-Porphine, 2.3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetraphenyl-9GCI) (CA INDEX MAME)

ANSWER 73 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

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REFERENCE COUNT.

THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 AMSWER 74 OF 148 CAPIUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:1567475 CAPIUS
1998:1567475 CA

21341-00-7
RL: RCT (Reactant) / RACT (Reactant or reagent)
(for preparation of ethanedrosy-linked tetraphenylporphyrin trimer)
21341-00-7 (AZUS
21341-00-7 (AZU

IT 213482-55-40

PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation, cyclic voltammetry, NMR and electronic absorption spectra,

fluorescence ou achies 21442-54-6 ( $C_{10}$ ) = 0.21442-55-6 ( $C_{10}$ ) = 0.2142-55-6 ( $C_{10}$ ) = 0.2142-55-6 ( $C_{10}$ ) = 0.2142-55-6 ( $C_{10}$ ) = 0.2142-51-6 ( $C_{10}$ ) = 0.2142-7 ( $C_{10}$ ) = 0.

L6 ANSWER 74 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
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ANSWER 74 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-B

PAGE 2-A

L6 AMSWER 75 OF 148 ACCESSION NOMERON:
ACCESSION NOMERON:
1991:564606 CAPUS
1991:564606 CAPUS
1991:564606 CAPUS
1991:564606 CAPUS
Novel 1,2-Rearrangement of Forphyrinatorhodium(III)
ANDION (3):
ANDION (3):
Department of Forphyrinatorhodium(III)
ANDION (3):
Department of Chemistry, The Chances University of Depa

REFERENCE COUNT:

THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSVER 76 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NOMEER: 1998:465549 CAPLUS COPYRIGHT 2005 ACS on STN 1998:165549 CAPLUS 129:130641

129:130641
Spectrophotometric determination of lithium ion using a water-soluble octabromoporphyrin in aqueous solution Tabata, Mr. Nabimoto, J., Tusamo, T.
Department of Chemistry, Faculty of Science and Esquiesting, Sagu Duiversity, Saga, 840, Japan Talanta (1598), 46(4), 703-709
CODEN: LBATAS, ISSN: 0039-9140 AUTHOR (S) CORPORATE SOURCE:

compare. PUBLISHER:

Elsevier Science B.V.

DOCUMENT TYPE: LANGUAGE:

DOCUMENT TYPE: August 7

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complex along with a shift of absorption maximum A maximum/mm (log e/moi) do Comp) of the Li porphyrin are 400.5 am (5.31) and 734 quilibrium constant for the reaction Li \*\* Hobbergad\*\* collabor\*\*. Li (chepps) 5 \*\* Net a 10-8.00 and the conditional formation constant for the [Li(obspp)] 5 \*\* as p8 13 is 104.21 he above results were applied to the determination of Li

100 10 and appends solution. The interference from transition and heavy metal 1000 was adjusted solution. The interference from transition and heavy metal 1000 was adjusted by the property of the p

aqueous solution. The proposed method was applied to the determination of

a busas servater samples. servater samples. servat and sea vater samples. 178179-80-19. 2.3,7,8,12,13,7,18-Octabromo-5,10,13,20-tetrakis(4-sufficial servater). SPR (Properties). SPR (Synthetic preparation) ANST (Analytical study) FREP (Preparation): USES (Uses) (Specifical servater). SPR (Synthetic serv

L6 AMSWER 77 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
1591:401956 CAPLUS
1591:40240 constraint and protein cheervations on score ph-halogenated tetraphenylporphyrian and their iron derivatives. [Erratum to document cited in the component of tetraphenylporphyrian and their iron derivatives. [Erratum to document cited in The Component Source; Packets Tetraphenylporphyrian and their iron derivatives. [Erratum to document cited in The Component Source; Packets and Packets Packets (Packets Packets) (Packets) (P

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ANSWER 76 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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REFERENCE COUNT:

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

1.6 AMSWER 78 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 10598.381712 CAPLUS
TITLE: Paronice Decoloration of Azo Dyes Catalyzed by Polystylane Glypol-Lunked Manganese Halogenated AUTHOR (S):

Polyteriyias Glycol-Linked Manganese Halogenated Orophyrias Orophy CORPORATE SOURCE:

SOURCE:

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PORTLINERS: CORDIT (1899) | still, recommended |

American Chemical Society |

American Chem

porphyrias)
206887-42-0 CAPLUS
Benzoic acid, 4-[2,3,7,8,12,13,17,18-octabrono-10,15,20-tris(2,6-dichlorophenyl)-21H,23H-porphin-5-yl]- (9CI) (CA INDEX NAME)

ANSWER 78 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

31

REFERENCE COUNT:

THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 79 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:
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1998;350754 CAPLUS
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(A) 100, 10, 20-tetrayliterakine (5(1) (CA 1000X MMX)

REFERENCE COUNT:

19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA ALGUER 10 OF 148 CM/LUS CONTRIGHT 2001 ACS ON STN

ACCESSION MARREN:

1989:192217 CM2LUS

1989:192217 CM2LUS

1989:192217 CM2LUS

1989:192217 CM2LUS

1999:192217 C

oxidant for alkene epoxidus. In CH2Cl2 [containing 2% (weight/weight) pyrazolel

styrene, norbornene and cis-stilbene were oxidized selectively to their resp. epoxides in excellent yield. Complete stereoretention was observed

tage, sponder in excellent yield. Complete starcorectation was observed the oxidation of cira-stillens, bowever unidation of cira-shottly ingrees afforded significant ants, of trans-sponde suggesting that a carboradical and containing a security. The crystal structure of the complete scaled in the containing and containing a scaled in the containing and containing and containing a scaled in the containing and containing and containing and containing a scaled in the containing and containing and containing a scaled in the containing and contain

21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetrapbenyl-(9C1) (CA INDEX NAME)

ANSWER 80 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

REFERENCE COUNT:

THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER B1 OF 146 CMPLUS COPFRIGHT 2005 ACS ON STM
ACCESSION NAMEM: 1999: 269979 CARLUS
1991: 269979 CARLUS
1711241 Investigation of Deveres-Saturable Absorption in Investigation Office Investigation Investigat

DOCUMENT TYPE:

MENT TYPE: Journal
JAGE: English
Monlinear absorption data are given for both octabromotetraphenylporphyrin
Monlinear absorption data are given for both octabromotetraphenylporphyrins
(MOSE) and some metallocathermotetraphenylporphyrins (MOSE). ZnoSP had
strong nonlinear absorption comparable to state-of-the-art phthalocyanine 

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REFERENCE COUNT:

THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSVER 82 OF 148 CAPLUS COPYRIGHT 2005 ACS ON STN ACCESSION NUMBER: 1998:250205 CAPLUS CAPLUS 128:316734 CAPLUS CAPLUS

AUTHOR (S) :

1383 13673 
Amplication of matrix-mensited lawer description/collection Fourier transform mass description/collection Fourier transform mass description/collection Fourier transform mass description and highly substituted nonplaner prophyrise Green, M. Kirki Mefforth, Craig J. Muzzi, Cinzia H., Edwille, C. W. H. (1987) 1988 (1988) 1988 (198 CORPORATE SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: English

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Journal

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Journal

131214-86-3 DOGS=66-0-3
IM MAT (Analytical study)
IM MAT (Analytical study)
MAT (Analytical study)
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21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-(SCI) (CA IMDEX NAME)

206349-60-2 CAPLUS
Pyridinium, (2,3,7,8,12,13,17,18-octabromo-2lH,23H-porphine-5,10,15,20-tetrayl)tetrakis[1-methyl-, tetrakis[hexafluorophosphate(1-)] (9C1) (CAmory nauman

ANSWER 82 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

16919-18-9 F6 P CCS

REFERENCE COUNT:

THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANNURR R3 OT 14 CAPLUS CUPHIGHT 2005 ACS ON STM
ACCRESION NUMBER: 1999:11388 CAPLUS
DOCUMENT NUMBER: 120:250176
Fact acce bookbardmant mass spectral observations on
THILE:
ANTHOR(6): Bookh, Tritatano Utkangelo, Gluppep Tagliatesta,
Bookh, Tritatano Utkangelo, Gluppep Tagliatesta,

Boschi, Tristanor D'Arcangelo, Gluseppe, Tagliates Pietro Dip. Scienze Tecnologie Chimiche, Universita Studi Roma "Tor Vergata", Rome, 1-00173, Italy European Mass Spectrometry (1997), 3(5), 355-360 CODEN: MISSPFY, 1358-1049 JAMES PROPERTY (1997), 3(5), 355-360 CODEN: MISSPFY, 1558-1049 CORPORATE SOURCE:

SOURCE

L6 ANSWER 83 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

REFERENCE COUNT: THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 25

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176173-80-1 CAPLUS

L6 ANSWER 84 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1598:99309 CAPLUS DOCUMENT NUMBER: 128:132114 LTILLE: Lieksman\*

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1508108700970170001888 for the
spectrophotometric determination of lithium ion in
spectrophotometric determination of lithium ion in
spectrophotometric determination of lithium ion in
specum solution
Tabata, Hassakir Jussano, Tohrus Nishimoto, Jun
Tabata, Hassakir Jussano, Tohrus Nishimoto, Jun
Tabata, Hassakir Jussano
Tabata, Hassakir AUTHOR(S): CORPORATE SOURCE:

SOURCE:

CODEN ANSCEN ISSN: 0910-6340
PUBLISHER: Japan Society for Analytical Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A water-soluble octabromoporphyrin was synthesized for the determination of Li in water. The porphyrin reacts with Li in alkaline solution to form the Li complex

lex along with a shift of absorption maximum to shorter wave length. Na and X ions do not react with the porphyrin. The equilibrium constant of the Li(I) porphyrin complex was determined and applied to the determination of Li in

natural al water. Interference of metal ions was removed by ligand buffer of Mg-EDTA

water. Interretains 0. mean. sum.

14611-83-6

Ri Mno (Analytical researt use), AMST (Analytical study), USES (Uses)

(lithium porphyrin complex for spectrophotometric determination of

(lithium porphyrin complex for spectrophotometric determination of lithium in water)

RN 144811-83-6 CAPLUS
CN 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo- (9CI) (CA INDEX NAME)

REFERENCE COUNT.

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 11

ANSWER 85 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) Benzenesulfonic acid, 4,4',4'',4'',2,3,7,8;12,13,17,18-octabromo-21H,23H-porphine-5,10,15,20-tetrayl|tetrakls-,ion(4-)|9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 86 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1998:33809 CAPLUS DOCUMENT NUMBER: 128:16704

DOCUMENT NUMBER: 128:167041
DFT study of alkynylporphyrin dimers end hromineted tetraphenylporphyrins
Wang, Zhiqiang; Day, Paul; Pachter, Ruth; Holean, AUTHOR (S):

CORPORATE SOURCE:

Daniel G.
Materials Directorate, Wright Laboratory, VL/MLPJ
Wright-Patterson Air Force Base, OH, 45433-7702, USA
Materials Research Society Symposium Proceedings
(1997), 479 (Materials for Optical Liniting II), SOURCE. (1997), 331-336

331-336 CODEN: MRSPDH; ISSN: 0272-9172 Materials Research Society

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LANGUAGE:

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131214-8-93
RL: PRP (Properties)
(DFT study of alkynylporphyrin dimers and brominated tetraphenylporphyrins)
131214-86-3 CAPLUS

21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-(9CI) (CA NAME)



REFERENCE COUNT:

THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 87 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT:

THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 55

AUTHOR (S):

ANSWER 87 OF 148 CAPLUS COPPRIGHT 2005 ACS on STN
15957 NORMERS 1597 15919 CAPLUS
21 124 752113 21 1 CORPORATE SOURCE: SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: Journal English

2.7 7.4 2.13, 17,14-Octaf luoro-5, 10,15,20-tetraphenylporphyrin (1) was read to the control of ditions.

issent-gardy, 23,71,812,13,17,18-octafluore-5,10,15,20Bi. Not (Section), SPM (Synthetic preparation) FRED (Preparation); FACT (Reaction of respect of the section of the

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ous solution, undergo ligand exchange reactions with nitrogenous bases. The calculated equilibrium constant, K, for this reaction is smaller in

magnitude when has defined for the corresponding unbrominated zinc(I) porphyrin deriva. The equilibrium constant values parallel the basicity of the

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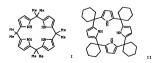
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					996-33395P	
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				CA 15	997-2251072	A3 19970404
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GI SOURCE	E(S):	MARPAT	127:34623	36		- 13370404



Preparation of calimpyrrole, calimpyridinopyrrole, and calimpyridine nacrocycles having 4, 5, 6, 7, or 8 heterocyclic rings, such as I and II.

PAGE 1-A

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REFERENCE COUNT:

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was described. Such ascropycies have proved to be effective and malective
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\*\*O-Tota Boils\* encess of LUTA at sucromolar porphyrin concentration and at 7-8. The p-winetitured managemes porphyrin actualizated the growth of a SOD-deficient strain of Escherichia soil when present at 0.05 pM but was tonce at 1.0 pM. The synthetic approach used in the case of the strain of t

CM I

CRN 174580-25-7 CMF C44 H30 Br8 N8

ANSWER 90 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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(Continued)

CM 2 CRN 16919-18-9 CMF F6 P CCI CCS

174580-26-8 CAPLUS
Pyridinium, 4,4',4'',4''-(2,3,7,8,12,13,17,18-octabromo-21H,23H-porphin
5,10,15,20-tetrayl)tetrakis[1-methyl-, tetrakis[hexafluorophosphate[1-]]
(GCI) (CA INDEX NAMS)

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CRN 174580-25-7 CMF C44 H30 Br8 N8

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CM 1

CRN 131214-86-3 CHF C44 H22 Br8 N4

CM 2

CRN 68-12-2 CRO C3 H7 N O

ANSWER 91 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

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21H, 23H-Forphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetraphenyl-(9C1) (CA INDEX NAME)



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2.3,7,8,12,13,17,11-Octafluoro-5,10,15,20terrary/perphyrims and Their Zino Complaxes: First
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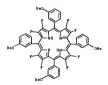
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A convenient and quescal synthesis of p-ctafluoroperphyrism 1 (a - M. Coffs). 3-Moscofid 1s reported. The error train a pertoreoper, and slectrosches, data indicate that M-ctafluoro-meso-tetrasylpophyrism statements of plane, Alectroscheficient 1994s. Pertonalizatial can be tuned using only anyl substituces. The invariance of the lipsed structure with increasingly post formal condation potential 1s a temperature with increasingly post formal condation potential is a which will be considered to the structure with increasingly post formal condation potential is a which will be considered to the structure with increasingly post formal condation potential is a which will be considered to the structure with increasingly post formal condation potential is a which will be considered to the structure with increasingly post formal condation potential is a which will be considered to the structure with increasingly post formal condation potential is a which will be considered to the structure of the stru

nce: electronic effects have been severed from the nomplanar conformations exhibited by all other highly electron-deficient porphyrins. 121399-88-09 186885-28-09P

ANSWER 94 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT:

THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 94 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

PAGE 2-1

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PAGE 1-A

186885-28-9 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octafluoro-5, 10, 15, 20-tetraphenyl-9Ct] (CA INDEX MAME)

IT 186885-29-09

180885-29-09
REL FFR (Properties); SFN (Synthetic preparation); PREP (Preparation)
(preparation and characterization of octafluorotetraarylporphyrins)
180885-29-0 (APLUS
21H. 23m-Porphine, 2.3, 7, 8, 12, 13, 17, 18-octafluoro-5, 10, 15, 20-tetrakis(3-methory)heavyl) (SCI) (CA INDEX NAME)

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L6 ANSWER 96 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1996;680693 CAPLUS

1996:680693 CAPLUS 126:67289

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Photocostalytic oxidation of cyclohexane by
(nBu4H) 4V10032/Pc([111]porphyrins integrated systems
Haldotti, Address Holinari, Alessandras Bergamini,
Paolar Amadelli, Rossanor Battioni, Pierrettes Hansuy, AUTHOR (S) +

Daniel Dipartimento di Chimica, Centro di Studio su Fotoreattivita e Catalisi del CNR, Universita degli Studi di Ferrara, Via L. Borsari 46, Ferrara, 44100,

Studi di Ferrara, Via L. Borsari 46, Ferrara, 4410 Italy Journal of Molecular Catalysis A: Chemical (1996), 113(1-2), 147-157 CODEN: JMCCF2, ISSN: 1381-1169 Elsevier SOURCE:

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L6 ANSWER 97 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
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PATENT NO. DATE APPLICATION NO. DATE EP 733901 A2 1996925 EP 1996-104433 19969320 EP 733901 A3 19961211 R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, JF, 0971071 A2 19970630 JP 1996-590431 19966307 TV 464651 B 20011121 TV 1996-85104567 19966417 JP 1996-50431 TW 1996-85104567 JP 1995-85988 JP 1995-270139 JP 1996-50431 19970630 20011121 19960417 19950320 PRIORITY APPLN. INFO.:

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ANSWER 96 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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ANSWER 97 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

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107035-95-0 CAPLUS
21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetrakis(2, 6-dichlorophenyl) - (9C1) (CA INDEX MAME)

120644-25-9 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrapheny1-(SCI) (CA NNDEX NAME)

ANSWER 98 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)



183594-03-8 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetrakis(pentachlorophenyl)- (9CI) (CA INDEX NAME)

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L6 ANSWER 98 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

131214-86-3 CAPLUS 21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetraphenyl-(9C1) (CA NDEX NAME)

134833-67-3P 183594-63-6P
RL SPN (Synthatic preparation), FREF (Preparation)
13493-67-3 CAP LUS
21M, 238-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetrakis(2,6-dichloropheny)) (9C1) (CAL NUMEX NAME)

L6 ANSWER 98 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

PAGE 2-A

L6 ANSWER 99 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN ACCESSION NUMBER: 1996:552458 CAPLUS DOCUMENT NUMBER: 125:291504

neso-Substituted octahronoporphyrins: synthesis, spectroscopy, electrochemistry and electronic

structure Mariprasad, Gali: Dahal, Sanjay: Maiya, Bhaskar G. School Chemistry, University Hyderabad, Hyderabad, 500 AUTHOR(S): CORPORATE SOURCE: School Chemistry, University Hyderabad, Hyderabad, 50 046, india Journal of the Chemical Society, Dalton Transactions: Chemistry (1996) (15), 3429-3436 CODDN: JOTRIS ISSN: 0300-9246 Royal Society of Chemistry

increasis Chemistry (1890 - 167) - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 - 167 - 1893 -

RR: FRP (Properties); RCT (Reactant); RACT (Reactant or reagent) (electronic structure and electrochem. redox of) 131214-86-3 CAPLUS

131214-86-3 CAPLUS 21M, 23M-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octahromo-5, 10, 15, 20-tetraphenyl-(SCI) (CA INDEX NAME)

102423-35-4P 102423-39-8P

16 ANSWER 100 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
1954:422800 CMPUS
1954:122800 CORPORATE SOURCE:

USA Journal of the Chemical Society, Dalton Transactions: Horganic Chemistry (1996), (13), 2793-2797 CODEN: JOURNI J. STR. 3000-9246 Royal Society of Chemistry Journal SOURCE:

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AM Four new highly chloridated porphyrine, 2,2,7,8,12,13,17,18-cetachloro5,10,15,26-cetarisi(1,5-decline)-c.2.6-destenoyphenyi]porphyrin

propaged The free base was synthesized by chloridated of Ridden

[5,10,15,20-cetarisi(2,6-decline)-c.2.6-destenoyphenyi] and setalized to give

propaged The free base was synthesized by chloridated of Ridden

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[6,10,16,20-cetarisi(2,6-decline)-cetariside Ridden

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(Preparation); NAT (Reactant or reagent)
electrochem. redox of the copper or zinc, electronic structure and
electrochem. redox of zinc, electronic structure and
electrochem. redox of zinc, z

182423-39-8 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-5,10,15,20-tetrakis(4-chlorophenyl)- (9C1) (CA INDEX NAME)

ANSWER 100 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

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L6 ANSWER 103 OF 144 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NAMESH:
1996;280271 CAPLUS
1996;280271 CAPLU

Source Acceptance Chemistry (1996), 61(11), 3590-3592

FORISSER: American Chemical Society
DOUMDATTPE: Journal

PAGE 1-A

L6 ANSWER 102 OF 148 CAPLUS COPYRIGHT 2005 ACS On STN ACCESSION NUMBER: 1996:306509 CAPLUS DOCUMENT NUMBER: 125:25070

DOCUMENT NUMBER:

125:25070
Optochemical HCl and Cl2 gas detection hased on tetraphenylporphine dispersed in ethyl-cellulose Tagliatesta, Pietro; Sadaoka, Yoshihiko; Sakai, AUTHOR(S): CORPORATE SOURCE:

Yoshiro
Bip, Sci. Tecnologia Chim., Univ. degli Roma, Tor
Verçata, 00173, Italy
Nolecular Crystals and Liquid Crystals Science and
Technology, Section A: Molecular Crystals and Liquid
Crystals (1996), 278, 173-180
CODEN: HCLES; ISSN: 1058-725X
GOTOnia 6 FERSE. SOURCE:

L6 ANSWER 103 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

(Continued) PAGE 2-A



LÉ ANSWER 104 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBERS:
1996:271551 CAPLUS
171TLES:
18VESTROR(S):

124:316876
Haloporphyrins and their preparation
Ellis, Paul E., Jr., Lyons, James E.
Sun Company, Inc. (Ram), USA
Bur. Pat. Appl., 8 pp.
CODEN: EPXXDW SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: Patent English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 700915 R: BE, DE, FR.	A1 GB, IT	19960313 NL	EP 1995-306230	19950906
CA 2157241	AA	19960308	CA 1995-2157241	19950830
JP 08113575	A2	19960507	JP 1995-254492	19950907
US 5663328	λ	19970902	US 1996-672202	19960627
PRIORITY APPLN. INFO.:			US 1994-303106 A	19940907
			US 1987-246 A2	19870102
			US 1987-66666 A2	19870626
			US 1989-425089 B2	19891023
			US 1990-568116 A2	19900816

SOURCE(S): MARPAT 124:316876
The invention provides novel catalyst compos., useful in the oxidation of hydrocarbons with air or exygen to form hydroxy-group containing compos. and in the decomposition of hydroperoxides to form hydroxy-group containing

15.
The catalysts comprise transition metal complexes of a porphyrin ring having 1 to 12 halogen substituents on the porphyrin ring, at least one of said halogens being in a meso position and/or the catalyst containing no

group in a meso position. The compans are prepared by halogenating a transition metal complies of a pophyrin. Thus, On pophyrin was transition at the complies of a pophyrin. Thus, On pophyrin was sential complied that the compliance of the compli

AREAL RT (Reactant), SPN (Synthetic preparation); PREP (Preparation); PACT (Reactant or respent) (Reactant or respent) (Reactant or respent); preparation of prehaloporphyrin complexes as oxidation catalysts) (18, 200. — CALUS

21H, 23H-Porphine, 2, 3, 5, 7, 8, 10, 12, 13, 15, 17, 18, 20-dodecachloro- (9CI) (CA INDEX NAME)

LA MERIT 10: OF 140 CAPLUS CPYPHIGHT 2005 ACS on STN
DOCUMENT NUMBER:
TITLES
SOURCE:
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MEAN TYPE: COEDM: 62TKAB
COMFERENCE
UMCH: A symposium report with 13 refs. on the preparation of fluoropyrrole
intermediates for octsfluoroporphyria.

144811-65-9F
RE: PNU (Preparation, unclassified), PREP (Preparation)
(preparation of intermediates for octafluoroporphyrin)
144811-86-5 CAPUS
21H,23H-Porphins, 2,3,7,8,12,13,17,18-octafluoro- (9CI) (CA INDEX NAME)

DOCUMENT TYPE:

ANSWER 104 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

L6 ANSWER 106 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995 192993 CAPLUS
DOUBLIN NUMBER: 124:300066
TITLE: 124:300066 124:300066
Metalation of water-soluble octabromoporphyrin with inthius(1), cadmium(II), and mercury(II)
Tabata, Masaakir Nishimoto, Juny Ogata, Akikoy Kusano,

AUTHOR(S): rabata, Masaaki, Nishinoto, Juni Ogata, Akiko, Kir Tohuru Nahar, Nurun Dep. Chemistry, Saga Univ., Saga, 840, Japan Sullatin of the Chemical Society of Japan (1996), 69(3), 673-77 CODEN: BCS/AB; ISSN: 0009-2673 Nippon Kagakkai CORPORATE SOURCE:

COEDS: BC32A9; 153% 0009-2e:3

Nippor Repaikai

Nippor Re

and propagation to form LiP5-, for which formation constant was determined Na and K

and X ions did not form their complexes under the same exptl. conditions. The equilibrium consts. for the formation of Od(II) and Mg(III) perphyrins were determined Mg(II) also forms boundancelesr perphyrin, Mg2F for which the formation constant was determined The outstrome groups lower the basic programming the p

hepothyria, which awe is (1) porphyria.

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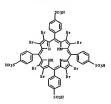
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RL: PMU (Formation, unclassified); PRP (Properties); FORM (Formation,

ANSWER 106 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN 16 nonnranaratival

nompreparative)
nompreparative)
144811-43-69, 23,77,9,12,13,17,18-octabromoporphyria
NLH EXT [Reactant]: FDR [Synthetic preparation]: FREF (Freparation): FACT
(Reactant): FOR (Synthetic preparation): FREF (Freparation): FACT
(14431-13-6 CAPUS)
14431-13-6 CAPUS
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196173-6-1
ARI FRE (Frogerias)
(protonation comsts.)
(protonation



L6 ANSWER 107 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1996:161613 CAPLUS COPYRIGHT 2015 ACS ON STN 124:316505 TITLE: 124:316505 124:316505
Partial oxidation of hydrocarbons and decomposition of hydrocarbons and decomposition of hydroperoxics catalyzed by haloporphyrin metal Elius, Paul E., 7r., 1yons, James E. Sun Co., Inc. (R and M), USB, USB, 5 pp. Cont.-in-part of U.S. Ser. No. 568,116.
PURSON OF THE PROPERTY OF U.S. Ser. No. 568,116.
PURSON OF THE PROPERTY OF U.S. Ser. No. 568,116.
PURSON OF THE PROPERTY OF U.S. Ser. No. 568,116.

INVENTOR(S): PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: Patent English 11 LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5489716	λ	19960206	US 1994-303105	19940907
US 4895682	λ	19900123	US 1987-246	19870102
US 4900871	λ	19900213	US 1987-66666	19870626
CA 1336188	A1	19950704	CA 1987-553420	19871203
US 5093491	Α	19920303	US 1990-466163	19900117
CA 2157238	AA.	19960308	CA 1995-2157238	19950830
EP 704447	Al	19960403	EP 1995-306231	19950906
R: BE, DE, FR	, GB, IT	, NL		
JP 08104658	A2	19960423	JP 1995-254493	19950907
US 5663328	Α	19970902	US 1996-672202	19960627
RIORITY APPLN. INFO.:			US 1987-246 A	2 19870102
			US 1987-66666 A	2 19870626
			US 1990-568116 A	2 19900816
			US 1989-425089 B	2 19891023
			US 1994-303105 A	19940907

OTHER SOURCE(S)

US 1994-030105 A 1994-09070
R SOURCE(S): CASREACT 124:316555, MARRAT 124:31655
The invention provides novel methods for the oxidation of hydrocarbons with oxygen-containing compds. and for the decomposition of hydrocarbons decomposition of hydrocarbons decomposition of hydrocarbons or hydrocarbons or

catalysts used in the methods of the invention comprise transition metal complexes of a porphyrin ring having 1 to 12 halogen substituents on the porphyrin ring, at least one of said halogens being in a meso position and/or the catalyst containing no arryl group in a meso position. The

catalvat yest complex as prepared by halopenating a transition setal complex of a composition of a c

hydroperoxides
is complexed with the free base to obtain an active catalyst for oxidation

of alkanes and decomposition of alkyl hydroperoxides. Thus, partial oxidation

isobutane with 02 catalyzed by iron complex of meso-tetrachloro-β-octachloroporphyrin (preparation given) afforded tert-Bu aic. as main

nct.
Decomposition of tert-Bu hydroperoxide in tert-Bu alc. catalyzed by iron complex of meso-tetrachloro-B-octachloroporphytin afforded tert-Bu

LE ANSWER 108 OF 140
ACCOMMINION NAMES: 1956.146294 CANUM 1956.146

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ios bind to this porphyrin an aqueous solution in a 111 stocchnosetry with binding constant of (9.6 d o.5). 102 km1 (0.11 km1.29 km.) The apparent binding constant for its is reduced in the presence of a large screens of Mas, and a binding constant for less of 10 d 0.30ml with the presence of a large screens of Mas, and a binding constant for less of 10 d 0.30ml with the presence of a large with the constant to series of the presence of a large way. In Michigan with the presence of the pre

174580-27-9 CAPLUS
Pyridinium, 4,4',4'',4'''-(2,3,7,8,12,13,17,18-octabromo-21H,21H-porphine-5,10,15,20-terayl)tercakis[1-methyl-, tetrakis[flexaf]uorophomphate[1-)],
mono[hexaf]uorophomphate[1-)] (GCI) (CA INDEX NAME)

CRN 16940-81-1 CMF F6 P , H CC1 CCS

OH ,

174580-26-8 C44 H30 Brs NS . 4 F6 P

OH 3

CRN 174580-25-7

ANSWER 108 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

CH 4 16919-18-9

CRN 1691: CMF F6 P

17

17480-32-79.
Ni SPW (Ornhabic preparation): FREF (Preparation)
(preparation of)
17480-33-7 (2014)
Pyridsinas, 4,4',4'',4'',4'',4'',3',3',12,13,17,18-octabromo-21M,23M-porphias
18,220-terrylsteraticif-machyl-, tetrachloride (9C1) (CA INDEX

L6 MENURA 109 OF 148
ACCESSION NOMER:
1996:28316 CAPUS
1916:28316 CAPUS
19

(deriva)
301 17966-77-5 CAPLUS
502 17966-77-7 CAPLUS
503 17966-77-7 CAPLUS
503 17966-77-7 CAPLUS
503 1796-77-7 CAPLUS
504 1796-77-7 CAPLUS
505 1796-7 CAPLUS
505 1796

PAGE 2-A

172663-31-9P

17863-31-99

Ri FEP (Physical, engineering or chemical process): SFN (Synthetic Preparation): PREF (Preparation): PREF (Process): FNC (Process): GNC (Proces

(Continued)

PAGE 1-B

PAGE 2-B

L6 ANSWER 109 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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ACCRESSION MEMORY
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SOURCE:

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L6 ANSWER 111 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN ACCESSION NUMBER: 1995;718516 CAPLUS DOCUMENT NUMBER: 123:111720

DOCUMENT NUMBER: TITLE:

123:111/20
Fast atom bombardment mass spectral observations on P-pyrrole-substituted tetraphenylporphyrins
Boschi, Tristano: D'Arcangelo, Gluseppe: Tagliatesta, AUTHOR (S) :

Fietro
Dep. di Scienze e Technologie Chimiche, Univ. degli
Studi di Rome Tor Vergata, Rome, 00133, Italy
Journal of Chemical Research, Synopses (1995), (8),
326-7 CORPORATE SOURCE:

326-7 CODEN: JRPSDC: ISSN: 0308-2342 Royal Society of Chemistry

PUBLISHER: DOCUMENT TYPE:

PUBLISHER: ROYAL Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
AS The FAB mass spectra of brominated porphyrins have been measured using
different matrixes and the fragmentation patterns related to the scidity of the media. 131214-86-3

RL: PRP (Properties)

RE: PRP (Properties)
(fast atom bombardment mass spectral observations on \$\textit{\beta}\)-pyrrole-substituted tetraphenylporphyrins)
13214-86-3 CAPUS
21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octahromo-5, 10, 15, 20-tetraphenyl(9CI) (CA. INDEX MAME)

ANSWER 112 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-A

PAGE 2-A

L6 ANSWER 112 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN
ACCESSION NUMBER: 1995:716604 CAPLUS
123:338859
TITLE: 123:338859

123:338859
Ralogenated metalloporphyrin complexes as catalysts
for selective reactions of acyclic alkanes with
molecular oxygen
Lycas, James E. Ellis, Paul E., Jr.: Myers, Harry K., AUTHOR (S):

Jr.
Research and Developmental Department, Sun Company,
Inc., Harcus Hook, PA, 19061-0035, USA
Townsal of Catalysis (1995), 135(1), 59-73
Vournal of Catalysis (1995), 135(1), 59-73
Academic LAS; 155N: 0021-9517
Journal CORPORATE SOURCE:

Journal of Cotalysis (1998, 1981), 39-73

WILLIAMS COOMS, SCHIES 1981: 0021-9817

DOCHMONT 1792; Boulin College of Colleg

midation catalysts, they are also the most active hydroperoxide decomposition

catalysts catalysts
known to date. The nature of the products formed is dependent on the
structure of the sliphatic substrate that is oxidized and can be
rationalized.

onalized by a catalytic pathway that very efficiently generates alkyl and alkosy radicals at low temps. The relationship hetween the electrochem. properties of least complexes and the rates of alkame oxidation and brdroperoxide decomposition lends insight into possible mechanisms of catalytic

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L6 ANSWER 113 OF 149 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION MANAGER:
1995:622765 CAPLUS
123:14526 CAPLUS
127:1452 CAPLUS
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Technology, Pasadena, CA, 3112, USA

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PAGE 2-8

161405-60-3 CAPLUS 21H.23H-Porphine, 2,3,7,8,12,13,17,18-octachlore-5,10,15,20-tetrakis(pentafluorophenyl)- (SCI) (CA INDEX NAME)

L6 ANSWER 114 OF 146 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NAMERS.

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1993:168392 CAPLUS

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ANSWER 114 0F 146 CALUS COPTRIGHT 2005 ACS on STN (Continued)
RLFRP (Preporties)
(Iocal d. function study of substituent effects on valence lonization
potentials of prophyrins)
218,728-Perphane, 2,3,7,8,12,131,17,14-octafluoro-5,10,15,20tetrakis (pentalluorophenyl) - (201) (CA. IMERA 197)

PAGE 1-A

PAGE 2-A

144811-81-4 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro- (9CI) (CA INDEX NAME)

RN 144811-83-6 CAPLUS

ANSWER 114 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabromo-(SCI) (CA INDEX NAME)

144811-86-9 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro- (9CI) (CA INDEX NAME)

L6 ANSWER 116 of 148 CAMPLES COPYRIGHT 2005 ACS on STN
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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
		***************	
EP 636628	A1 19950201	EP 1994-305634	19940729
R: BE, DE, FR,	GB, IT, NL		
US 5480986	A 19960102	US 1993-100516	19930730
CA 2129055	AA 19950131	CA 1994-2129055	19940728
JP 07089964		JP 1994-197953	19940729
RICRITY APPLN. INFO.:		US 1993-100516 A	19930730
THER SOURCE(S):	MARPAT 122:223871		
B Transition metal con	plexes of Gable por	phyrins having two por	

Tensition metal complexes of Gable porchyrine having two popphyrin rings selection-videbase is accomp group, and having not be prophyrin rings selection-videbase is accomp group, and having not be prophyrin rings selection-videbase is accompanied by the selection of complex compdex, e.g., alkanes, SI CAX (Catalytuse) FMN (Synthetic preparation); FMND (Preparation); USES (USES)
USES (USES IΤ

PAGE 1-A

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inizia-es-5:
Ri. 27. (Resctant): PACT (Beactant or reagent) (preparation of f-srylporphyrins by pelladium-catalyzed Suzuki (preparation of f-srylporphyrins by pelladium-catalyzed Suzuki (preparation): 1214-65-2.
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L6 ANSWER 116 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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PAGE 2-A

IA AMPHEN 117 OF 148 CAPLUS COPPRIGHT 2005 ACS on STN 1955:449772 CAPLUS 1955:449772 CAPLUS 1955:449772 CAPLUS 1751:449772 CAPLUS 1751:449774 CAPLUS 1751:44974 CAPL

(TFPic18 - Octa-P-chlorocetrakis (pentallucropheny)
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Ilionaban, Sw. Ab. Schaffer, Villiam F., Labinger, Jay
Illiam Sw. Ab. Schaffer, Intry Sw. Allorette of Technology, Fasedens, C., 51125, USA.
Incopant Chamasery (1995), 34 (7), 1751-5
Incopant Chamaser (1995), 35 (7), 1751-5
Incopant Chamaser (1995), 36 (7), 36 (7), 36 (7), 36 (7), 36 (7), 36 (7), 36 (7), 36 (7) AUTHOR (S): CORPORATE SOURCE:

2016. 14.154(3), b 16.012(4), c 26.679(8) Å, ß
90.28(2), 7 - 4, % = 0.028 on F2 for B05 reflections, % = 0.067
90.28(2), 7 - 4, % = 0.028 on F2 for B05 reflections is highly
for SUM reflections with F02 Suffez]; the perspective is highly
the sean porphyrin plane. The reduction potentials of hurtrass complexes

the mem porphyran prame are much more post, (0.5 %) that those of unbalogenated analogs, owing to the influence of the electron-withdrawing X atoms. The relatively high energies of the Soret bands in the RHIFFEM electronic spectra consistent with an electronic structural model involving Bull back-bonding 135944-25-6, Osta-B-orocotets/iss(pentalfucospeny)!porphyria 141485-60-3, Octa-B-ohlorotetrakis[pentalfucospheny]!porphyria

Ri. RCT (Resciant) FACT (Resciant or respect)
(for preparation of ruthenium helpogenated porphyrinato complexes)
1994-2-6- Captagna, 7-8, 12, 13, 17, 18-octabrono-5, 10, 15, 20tetrakis(pentafluorophenyl)- (9CI) (CA HUDX HAME)

ANSWER 117 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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ANSWER 117 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN

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PAGE 2-A

161405-60-3 CAPLUS 101405-00-3 CATADO 21H, 23H-Forphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrakis(pentafluorophenyl)- (9CI) (CA INDEX NAME)

CH 1

CRN 67-66-3 CMF C H C13

C1 C1-CH-C1

CM 2

CRN 161614-77-3 CMF C44 H22 Br8 N4 , 2 C2 H F3 O2

CM 3

CRN 131214-86-3 CMF C44 HZ2 Br8 N4

ANSWER 118 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

OH 4 CRN 76-05-1 CMF C2 H F3 O2

L6 AMSWER 120 OF 146 CAPLUS COPYRIGHT 2005 ACS on STN
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L6 ANSWER 119 OF 148 CAFLUS COPYRIGHT 2005 ACS on STN
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L6 ANSWER 120 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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L6 ANSWER 121 OF 146 CAPLUS COPTRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994+455121 CAPLUS
DOCUMENT NUMBER: 121:33121 of D-ryl substituted porphyrian by 111:261 characteristics of the properties of the properti

L6 ANSWER 12 OF 140 CAPAINS COPYRIGHT 2005 ACS on STN

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Journal German

DOCUMENT TYPE: LANGUAGE: GI

The porphyrins I [X = Y = N, Cl, Br; X = Cl, Br; Y = N] were prepared and control of the potentials and crystal structures were compared. Increasing Milos feed potentials and crystal structures were compared. Increasing Milos feed potentials are supported by the property of the propert

ANSWER 122 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN CN 1 (Continued)

L6 ANSWER 121 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

PAGE 1-A

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12906-48-09 132037-87-19
RL: SPM (Synthetic preparation), PREP (Preparation)
(preparation, refow potential, and conformation of)
12906-48-0 CAPLUS
12906-48-0 CAPLUS
12906-48-0 CAPLUS

152037-87-1 CAPLUS 21M,23M-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetrakis(2, 4, 6-trimethylphenyl) - (9C1) (CA INDEX NAME)

L6 AMSWER 123 OF 148 CAPLUS COPYRIGHT 2009 ACS on STN
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PAGE 2-A

L6 ANSWER 123 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

PAGE 1-B

154891-86-8 CAPLUS Benzande, 4-{2, 3, 7, 8, 12, 13, 17, 18-octachloro-10, 15, 20-tris {2, 6-dichlorophenyl} - 21M, 23H-porphin-5-yl]-N-{4-{10, 15, 20-tris {4-(diatchylanino)phenyl} - 21M, 23H-porphin-5-yl]phenyl}- (9C1) (CA INDEX INDE

PAGE 2-B

PAGE 2-B

PAGE 1-B

RN 154891-87-9 CAPLUS
CN Benzamide, 4-[2,3,7,8,12,13,17,18-octachloro-10,15,20-tris(pentaflororphenyl)-21H,23M-porphin-5-yl]-N-[4-[10,15,20-tris(4-(dinethylamino)phenyl]-21H,23M-porphin-5-yl]phenyl]- [9CI] (CA INDEX NAME)

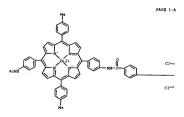
BM 154986-34-2 CAPLIS CM 21nc, [4-[2,3,7,8,12] 15,117,18-octachloro-10,15,20-tris[pentafluoropheny]]-21B,238-porphin-5-yl]-B-[4-[10,15,20-tris[4-(disathylasino)pheny]]-21B,238-porphin-5-yl]phenyl]benzanidato[2-]]-, (SP-4-2)- (SCI) (CA IRDEX MOSE)

PAGE 1-B

PAGE 1-8

L6 ANSWER 123 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 154986-35-3 CAPLUS
CN 21nc, [N-[4-[15-[4-(acetylamino)phenyl]-10,20-bis[4-methylphenyl]-21H,23H-porphin-5-yl]phenyl]-4-[2,3,7,8,12,13,17,18-octachloro-10,15,20-tris[2,6-dichlorophenyl]-21H,23H-porphin-5-yl]benzamidato[2-)]-, (SP-4-2)- (9CI)
CA INDEX RAME)



PAGE 1-B

PAGE 2-B

155208-76-7 CAPLUS
21nc, (4-{2,3,7,8,12,13,17,18-octachloro-10,15,20-tris(2,6-dichlorophenyl)21lnc, (4-{2,3,7,8,12,13,17,18-octachloro-10,15,20-tris(2,6-dichlorophenyl)21lh,23H-porthin-5-yll-NF-[4-(10,15,20-tris(4-(dimethylamino)phenyl)-21lh,23H-porphin-5-yll)phenyllbenzamidato(2-)]-, (SP-4-2)- (SCI) (CA INDEX NAME)

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PAGE 1-B

L6 ANSWER 123 OF 148 CAPLUS COPYRIGHT 2005 ACS OB STN (Continued)

AUTHOR(5) aggregates

Restance, Robert F.; Schaefer, Ruir F.; Rambright,

Separtment, Robert F.; Schaefer, Ruir F.; Rambright,

Separtment, Robert F.; Schaefer, Ruir F.; Rambright,

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AB Recomment light scattering measurements were used to investigate the

solite species present in scilic aspuss media for some it sulfonated

for several of these porphyrina mixes from the formation of extended

apprepare of electromically cougled chromophrees and illustrate the

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15 ANSWER 125 OF 148 CAPIUS COPYRIGHT 2005 ACS on STN
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LANGUAGE:

Structural factors, which powers the chemical stability of stability and provided in the control of the contro

RL: SPN (Synthetic preparation); PREP (Preparation)

ANSWER 125 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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134833-67-3 CAPLUS 21H, 23H-Forphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrakis(2,6-dichlorophenyl)- (SCI) (CA INGEX NAME)

L6 ANSWER 126 OF 148 CAPLUS COPYRIGHT 2005 ACS OR STN ACCESSION NUMBER: 1994:67865 CAPLUS COUNTY TUMBER: 120:67864

120:6785
The oxofron \* cation radical of meso-tetramesity)porphyrin chlorinated in the eight B positions: electronic and structural properties Chesenbein, Philippe, Mandon, Cominique: Fischer, Jean Weiss, Raymond Austin, Rachel Jayara, Karupiah Gold, Avram Terner, James Bill, Echardtr AUTHOR (S):

CORPORATE SOURCE:

lnst. LeBel, Univ. Louis Pasteur, Strasbourg, F-67070, SOURCE:

Angewandte Chemie (1993), 105(10), 1504-5 (See also Angew. Chem., Int. Ed. Engl., 1193, 32(10), 1437-39) CODEN: ANCEAD; ISSN: 0044-8249

DOCUMENT TYPE: LANGUAGE: GI

I (H = FaCl, X = Cl, Br) were prepared by the natialization of 1 (H = R2) with FaCl2. 1.H2O are tetragonal, space group 7.havia.cl2b, x = 2, NyBu = 0.005/0.013 and 0.053/0.075, sps., The Fa in 1 (H = FaCl, X = Cl, Br) and Cl, Br) are tetragonal of the ph-2 atoms from the part of the pa

ANSWER 126 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN electronic structures. 129006-48-0F 152037-87-1F 1.6 (Continued)

13006-48-09 132037-87-19
RAIT (Reactant); SPM (Synthetic preparation); PREF (Preparation); RAIT (Reactant or resgant)
Reactant or resgant)
Structure and oxidation of, by peroxybenzoic acid)
23006-48-0 CMP-Orphine. 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetrakts (2, 4, 6-transthylabenyl) (SCII) (CA) INDEX MANEE)

PAGE 2-A

152037-87-1 CAPLUS 21H, 23H-Forphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetrakis (2, 4, 6-trinethylphenyl)- (3C1) (CA 1NDEX NAME)

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SOURCE:

USA Inorganic Chemistry (1993), 32(19), 4042-8 CODEN: INOCAJ; ISSN: 0020-1669

USA.

L6 ANSWER 126 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

L6 ANSWER 127 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

1.6 AMSWER 122 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
1593:53/150 CAPLUS
1593:53/150 CAP

Chemistry Letters (1993), (8), 899-72

CORNING TYPE:
CORNING CHITAGI ISBN: 0366-7022

LANGIAGE:
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The crystal structure of 2.3, 7,8,12,131,7,18-octabrono-5,10,15,20
distorted structure of 2.3, 7,8,12,131,7,18-octabrono-5,10,15,20
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CRN 131214-86-3 CMF C44 H22 Br8 N4

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HaC-CHa-OH

ANSWER 129 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



144811-83-6 CAPLUS 21H, 23H-Porphine, 2,3,7,8,12,13,17,18-octabrono- (9CI) (CA INDEX NAME)



L6 ANSWER 129 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1993:191408 CAPLUS DOCUMENT NUMBER: 1993:191408 CAPLUS

L6 MANUER 129 OF 148 CAPLUS COPYRIGHT 2005 ACS on STM
ACCESSION NOMERS: 1993:191406 CAPLUS
1993:191406 SEARCH STREET, 1993:191406



131214-86-3 CAPLUS 21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabrono-5, 10, 15, 20-tetraphenyl-(SCI) (CA INDEX NAME)

L6 ANSWER 130 OF 140 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBERS:
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TITLE:
Electronic offsecs of perspheral substituents in
porphyrians: x-ray photos/secton spectroscopy and ab
COMPORATE SOURCE:
ORDORATE SOURCE:
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USA Journal of the American Chemical Society (1992), 114(25), 9990-10000 CODEN: JACSAT, ISSN: 0002-7863 Journal SOURCES SOURCES (1992).

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144811-81-4 CAPLUS 21M,23H-Porphine, 2,3,7,8,12,13,17,18-octachloro- (9CI) (CA INDEX NAME)



144811-82-5 CAPLUS 21H,23M-Porphine, 2,3,5,7,8,10,12,13,15,17,18,20-dodecachlero- (9CI) (CA RINGEN NAME)

ANSWER 130 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

144811-92-7 CAPLUS 21H.23M-Porphine-5,10,15,20-tetracarbonitrile, 2,3,7,8,12,13,17,18-octachloro (9C1) (CA INGEX NAME)

ANSWER 130 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

144811-86-9 CAPLUS 21M, 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro- (9CI) (CA INDEX NAME)

144811-87-0 CAPLUS 21H,23H-Porphine, 2,3,5,7,8,10,12,13,15,17,18,20-dodecafluoro- (9CI) (CA NDMEX NAME)

L6 ANSWER 131 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NEWSERS: 1892.633738 CAPLUS
1392.633738 CAPL

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GI

English CASREACT 117:233728

MOII(GPSTRP)CI (TMF = meso-tetramesly)porphyrinato) (I, N = M, R1 = Br) and II(ClimP)CI (I, N = MI = CI) catalyze the spoxida. of cyclooctene 1300c-46-0
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RL EXT (Reactant); SPN (Synthetic preparation); FREF (Preparation); FACT

16 MEWER 132 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
1972:49226 CAPLUS
1972:49226 CAPLUS
1972:49226 CAPLUS
11118: Memory of the Complex catalysts containing a
hilogenated lipsed for hydrocarbon oxidation
11119: Poel E., Jr., Popus, James E., Myers, Harry K.,

Ellis, Paul E., Jr., Lyons, James E. Jr.
Jr. Refining and Marketing Co., USA
Bur. Pat. Appl., 7 pp.
CODEN: EPYXDW
Patent
English
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PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

FAIGNI NU.	KIND DATE	APPLICATION NO.	DATE
EP 471561	A2 19920219	EP 1991-307493	19910814
EP 471561	A3 19920226		*********
R: BE, DE, FR,	GB, IT, NL		
NO 9103150	A 19920217	NO 1991-3150	19910813
CA 2049177	AA 19920217	CA 1991-2049177	19910814
JP 05138037	A2 19930601	JP 1991-229785	19910816
US 5663328	A 19970902	US 1996-672202	19960627
PRIORITY APPLN. INFO.:		US 1990-568116 A	
			2 19870102
			2 19870626
			2 19891023
			3 19040907

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L6 MEVER 133 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
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1992:447538 CAPLUS
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1092:45753 CAPLUS
1092:4

SOURCE Increase Community (1972), 31(11) #3999-6409

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catalysts fractions, not only for soluble complemes but also for supporticallysts.

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14084-4-6.

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140-200 posphiam-5,10,15,20-terray) services(1-5,-10,-10,-2,4,6-trisethy)
140-200 posphiam-5,10,15,20-terray) services(1-5,-10,-10,-2,4,6-trisethy)
140-200 posphiam-5,10,15,20-terray) services(1-5,-10,-10,-2,4,6-trisethy)-

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LG ANSWER 134 OF 148 CAPLUS COPYRIGHT 2005 ACS on STM
ACCESTION HONDER:
1992;64399 CAPLUS
Preparation and catalytic activity of the
annoganes (III) dodecationceteramesity)porphyrin
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L6 ANSWER 134 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

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L6 ANSWER 131 OF 148 GREUS CRYPHIGHT 7005 ACS ON STN
ACCESSION MOMERS:
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\*\*Prilaigenated-pyrrole porphyrias. Molecular structures of 3,3,7,8,12,13,17,18-octabrone-5,10,15,20

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\*\*Estrakis[penaldlorephays]] 2,3,7,8,12,13,17,18

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CORPORATE SOURCE:

Fr. Inorganic Chemistry (1992), 31(11), 2044-9 CODEN: INOCAJ; ISSN: 0020-1669

AUTHOR (5):

SOURCE:

| Comparison | Compari

L6 ANSWER 135 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

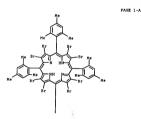
141573-97-9 CAPLUS 21M,23M-Porphine, 2,3,7,8,12,13,17,18-octachloro-5,10,15,20-tetrakis(3-chloro-2,4,6-trimethylphenyl) - (9CI) (CA INDEX NAME)

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ANSWER 136 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



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l39944-26-69
RL: NCT (Reactant): SPN (Symbotic preparation): FREF (Preparation): PACT
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(Note that the preparation of the preparation

- ANSWER 137 OF 148 CAFLUS COPYRIGHT 2005 ACS on STM (Continued) cyclobeptene, cyclooctene, 1.4-cyclooctadene, styrene, earthylstyrene, pentulpistyrene, stillene, 311yt chloride, earthylstyrene, pentulpistyrene, stillene, 311yt chloride, stillene, 312 acceptance of the state of the presence of 1 stirring 7 modi cyclooctene with air at 22 acceptance of 1 stirring 7 modi cyclooctene with air at 20 acceptance of 1 stirring 7 modi cyclooctene with air at 20 acceptance of 1 stirring 7 modi cyclooctene with air at 20 acceptance of 1 stirring 8 acceptance of 1 sti

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DOCUMENT TYPE: LANGUAGE: FAHILY ACC. NUN. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. OATE JP 03246238 JP 2790885 PRIORITY APPLN. INFO.: OTHER SOURCE(S): GI JP 1990-42342 19900226 JP 1990-42342 19900226 MARPAT 116:213987

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L6 ANSWER 138 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1992:106069 CAPLUS DOCUMENT NUMBER: 116:106069

DOCUMENT NUMBER: TITLE: INVENTOR(S): PATENT ASSIGNEE(S): 116:106069

Porphine complexes as oxidation catalysts for olefins Tauchiya, Shaji; Senoo, Hanabu; Kawai, Motonasu Mitaus Toatsu Chemicals, Inc., Japan Mitaus Toatsu Chemicals, Inc., Japan Din. Kokai Tokkyo Koho, 5 pp. CODEN; JUCOAF

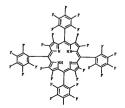
Patent

DOCUMENT TYPE: CODEN: JI
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

KIND DATE PATENT NO. APPLICATION NO. DATE

Agonitors and oxygen-containing compound were prepared by oxidation of conygen in the presence of populane complemes and allow or smiss. Thus, air oxidation of 3 maol cyvichesene in INCIGI is the presence of 2,7,7,8,12,11,7,19-containors,10,15,20-textain[pentalinorphenyi] porph oxidation products locate and Media at 25 for 2 h gave olls maol oxidation products locate and Media at 25 for 2 h gave olls made in the containing of the containing and the containing of the containing of the containing of 22,300,446 (Media-Cean-Iod), and cyclohese-fear-ion as a ratio of 22,300,446 (Media-Cean-Iod), EMCI (Resectant or respect) (Synthesis preparation), PREF (Preparation), DMCI (Resectant or respect) (Synthesis preparation), PREF (Preparation), DMCI (Synthesis preparation), DMCI (Synthe

PAGE 1-A



PAGE 2-A

ANSWER 139 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

PAGE 1-A

(Continued)

PAGE 2-A

135762-91-3 CAPLUS 21H,23H-Porphine, 21-butyl-2,3,7,8,12,13,17,18-octachloro- (9CI) (CA

LA MASKER 139 OF 148 CAPLUS COPFRIGHT 2008 ACS on STN
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PATENT NO. KIND DATE APPLICATION NO. DATE

121389-88-0 CAPLUS 21H,23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrakis(pentafluorophenyl)- (SCI) (CA INDEX NAME)

as the O donor. The reason for this instability appears to le 10 memory booklytic dissociation of HZO2 with consequent rapid strack at the 13433-47-39 memory booklytic dissociation of HZO2 with consequent rapid strack at the 13433-47-39 memory booklytic dissociation of HZO2 with consequent rapid strack at the 13433-47-30 memory booklytic dissociation of HZO2 with management of 13433-47-30 memory booklytic dissociation of the IT

16 ANSWER 141 OF 149 CAPLUS COPFRIGHT 2005 ACS on STH 1951;479333 CAPLUS 1951;479331 CAPLUS 171TLE: PROPERTY OF THE PROPERTY O

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
			***************************************	
JP 02250883	A2	19901008	JP 1989-241912	19890920
JP 2845982	B2	19990113		.,,,,,,,,
PRIORITY APPLN. INFO.:			JP 1988-310051 A1	19881209
OTHER SOURCE(S):	MARPAT	115:79933		13001203

121395-88-09
RE: RCT (Reactant); SFN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reaction of)

1

L6 ANSWER 142 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:54757 CAPLUS
DOCUMENT NUMBER: 114:54757
TITLE: Octabromotetraphenylporphyrin am 199109707
18154757
Octabromotetraphenylporphyrin and its metal
derivatives: Electronic structure and electrochemical

Detroined Structure and electrochemical properties Bhyrappa, P.; Krishnan, V. Bep. Inorg. Phys. Chem., Indian Inst. Sci., Bangalore, 560 012, India AUTHOR(S): CORPORATE SOURCE:

SOURCE: 560 012, India Inorganic Chemistry (1991), 30(2), 239-45 CODEN: INOCAJ, ISSN: 0020-1669

SOURCE: Inorganic Chemistry (1971), value and DOCHMONT TIPE: JOSEPH HOCAL JEBN (2020-1668)

DOCHMONT TIPE: JOSEPH HOCAL JEBN (2020-1668)

Free-base Octabromotercephenylporphyrin). M(DCDP) was prepared by bromination of Cu(TP) (MITTY - asso-tetraphenylporphyrin). M(DCDP) was prepared by the contract of Cu(TP) (MITTY - asso-tetraphenylporphyrin). M(DCDP) was prepared by VO2x. Co. Ni. Octabromotercephenylporphyrin and the property of Catoma in RODDP and M(DDP) produce researchable red shifted at the pyrrole Catoma in RODDP and M(DDP) produce researchable red shifted and visible absorption hands make the octabromoporphyrin anapattude of protocation consists. (pMI - 16. and pMI - 17.) and the large red-shifted Sort and visible absorption hands make the octabromoporphyrin positions of the porphyrin was quant. analyzed by uning the credit. The positions of the porphyrin was quant. analyzed by uning the credit of M(DSP) is the lowest among the known substituted porphyrins, indicating emplication for the unusual spectral features. The high propriets of M(DSP) is the lowest among the known substituted porphyrins, indicating resolutions of the Pontole Intend portal features. The latertometration of prothics of the P onto the ring orbitals. The latertometration of prothics for the P onto the ring orbitals. The latertometraties. The latertometraties. The latertometraties. The latertometraties. The latertometraties. The latertometraties. The latertometraties.

M(OBP) relative to M(TPP) is large (550 mV) compared to the shift in the oxidation potential (300 mV). These results were interpreted in terms of

resonance and inductive interactions of the Br substituents.
131214-65-39 RL: SPN (Synthetic preparation): PREF (Preparation)
(preparation and cyclic voltammetry and visible spectra and protonation 131214-86-3 CAPLUS

21H, 23H-Porphine, 2, 3, 7, 8, 12, 13, 17, 18-octabromo-5, 10, 15, 20-tetraphenyl-(9C1) (CA INDEX NAME)



ANSWER 141 OF 148 CAPLUS COFFRIGHT 2005 ACS on STN (CC 121399-88-0 CAPLUS 21H. 23H-Porphine, 2,3,7,8,12,13,17,18-octafluoro-5,10,15,20-tetrakis(pentafluorophenyl)- (9C1) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

.exuiosacg3 CAPLUS 113:164c93 Highly chlorinated and perchlorinated neso-tetraphen/porphyrins Wijosakera, Tilaki Matoumoto, Akiteru; Dolphin, David Lean, Doris AUTHOR(S):

Lexa, Doris Bep. Chem., Univ. British Columbia, Vancouver, BC, V6T 176, Can. Angewandte Chemie (1990), 102(9), 1073-4 CODEN: ANCEAD; ISSN: 0044-8249 CORPORATE SOURCE:

CODEN: ANCEAD: 153H: 0046-2424

JOURNAL JURGE JURGE

partially chlorinated by N-chlorosucciniside (1). Ni(TPP) reacted with I in o-COMCII to give NiL2 (WiL2 o outschloroporphyrin). Attempted to other partial control of the perfect of the p

120644-23-9; RL: FORM (Formation, nonpreparative); FREP (Freparation) (formation of, in demetalation of nickel complex) 120644-25-9 cAPUIS 21H, 2MF-7orphine, 2, 3, 7, 8, 12, 13, 17, 18-octachloro-5, 10, 15, 20-tetrapheny1-9(SCI) (CA. INDEX MAME)

LA MONTER 144 OF 149 CAPLUS COPPHIGHT 2005 ACS on STM
DOCUMENT NUMBERS

1717LE:

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PAGE 1-A

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

L6 ANSWER 145 OF 149 CAPLUS COPYRIGHT 2005 ACS on STN
1999:457130 CAPLUS
1000MDAT NUMBER:
1015-171120 HOVER 1015-17120 HOVER

English CASREACT 111:57150

New perfluorinated hemin I catalyzes the hydroxylation of C6H6 by H2O2 at room temperature and 1 atm pressure. The turnover for PhOH produced in 2 h

55. I also catalyzes the epoxids. of cyclooctene by M202. 12139-88-0 [Process] [Windows of Company of Company

L6 ANSWER 144 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

129006-49-1 CAPUS 1,3-Benzenadiaulfonic acid, 5,5',5'',5'''-(2,3,7,8,12,13,17,18-octabromo-1111,2'Broorphine-5,10,15,20-tetray|)tetrakis[2,4,6-trinethy]- (SCI) (CA

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ANSWER 145 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 2-A

16 ANSWER 146 OF 148 CAPLUS COPYRIGHT 2005 ACS on STM 1993;407144 CAPLUS CAPLUS TITLE: 1993;407144 CAPLUS TITLE: 1993;4071

PATENT ASSIGNEE (S): SOURCE:

Can.
PCT Int. Appl., 46 pp.
CODEN: PIXXD2
Patent
English

DOCUMENT TYPE:

FAMILY ACC. NUM. COUNT:

* A1 801	THE OPPL		ie.						
PA	TENT N	٠.			XIND		APPLICATION NO		DATE
WO	880791						WO 1988-US1240		19880415
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	RV: A	T,	BE,	CH,	DE,	FR. GB. IT.	LU, NL, SE		
AU	88170	75			λì	19881104			19880415
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US	489294	1			Ä	19900109	US 1988-181859		19880415
EP	363379				21	19900410	EP 1988-904116		19880415
EP	363379				B1	19950614	Er 1900-904110		19880415
	R: A	т. :	BE.	CH	DF :	ED CD IT	LI, LU, NL, SE		
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	130809				A1	10000027	CA 1988-564424		19880415
	880557				λ,	19920929	CA 1988-564424		19880418
	880702					19890216	NO 1988-5571		
	970263				۸.	19881216	DK 1988-7020		19881216
	92402	9			Bl	19970307	KR 1988-71690		19881217
						19940729	FI 1989-4898		19891016
	92402				С	19941110			
	507739				λ	19911231	US 1989-455663		19891221
RIORITY	Y APPLN	. 11	₹FO.				US 1987-39566	A	19870417
							US 1988-181859	. A3	19880415
							WO 1988-US1240		19880415
THER SO	DURCE (S	):			MARPA	T 111:7144			***********

	$R^{-}$ $\xrightarrow{X^0}$ $X^3$ $X^2$
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ANSWER 146 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

120644-27-1 CAPLUS Benzenesulfonic acid, 3,3',3'',3'''-(2,3,7,8,12,13,17,18-octachloro-21H,23H-porphine-5,10,15,20-tetray1)tetrakis(2,4-dichloro- [9CI) (CA INDEX NAMS)

L6 ANSWER 146 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

16 MENURA 146 OF 148 CAPUS COPYRIGHT 2005 ACS on STM (Continued)

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AB Resulted porphyrina I (M = exidation-mutaining transition matal,

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120644-26-0 CAPLUS
Benzenesulfonic acid, 4,4',4'',4'''-(2,3,7,8,12,13,17,18-octachloro-21H,23M-porphine-5,10,15,20-tetray1)tetrakis- (9CI) (CA INDEX NAME)

L6 AMSVER 147 OF 148 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION REMBERS:
1595:167073 CAPLUS
1595:167073 CAPLUS
1101:107073 CAP

L6 ANSWER 141 OF 148 CHEMIS CHYPHIGHT 2005 ACS on STH

ACCESSION NUMBER:

1051148110 CAPLUS

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1051148110 CAPLUS

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SINCE FILE ENTRY

TOTAL SESSION

FULL ESTIMATED COST

733.37

909.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY

TOTAL SESSION

CA SUBSCRIBER PRICE

ENTRY -108.04 SESSION -108.04

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